

Fig. 1A

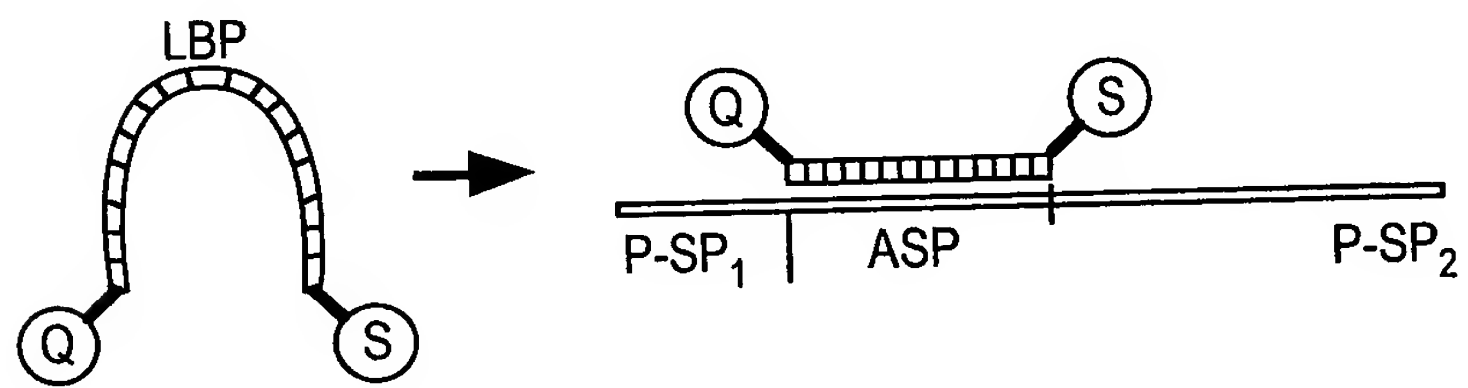


Fig. 1B

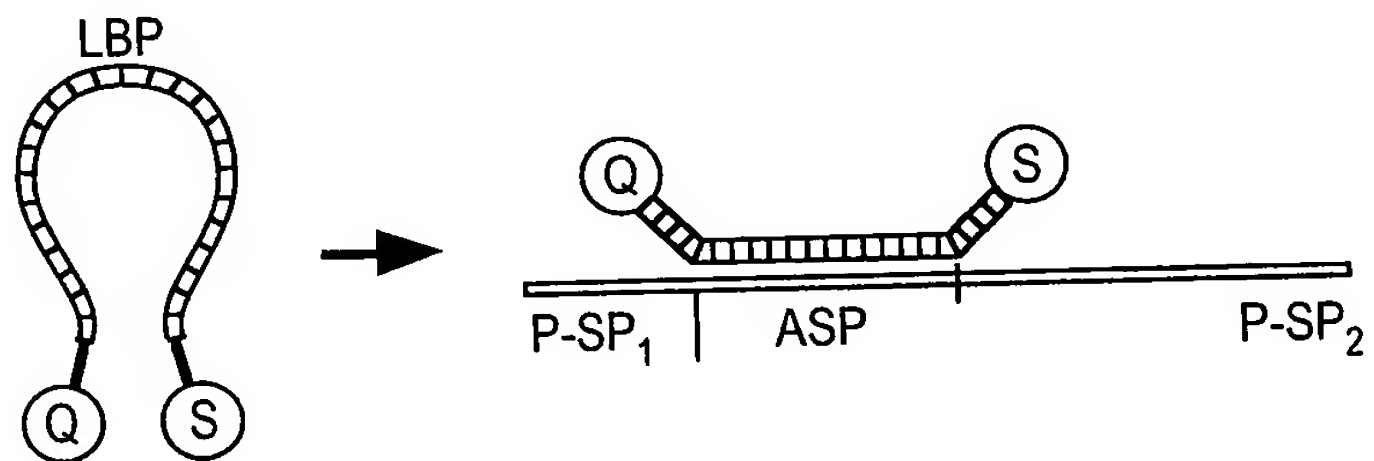
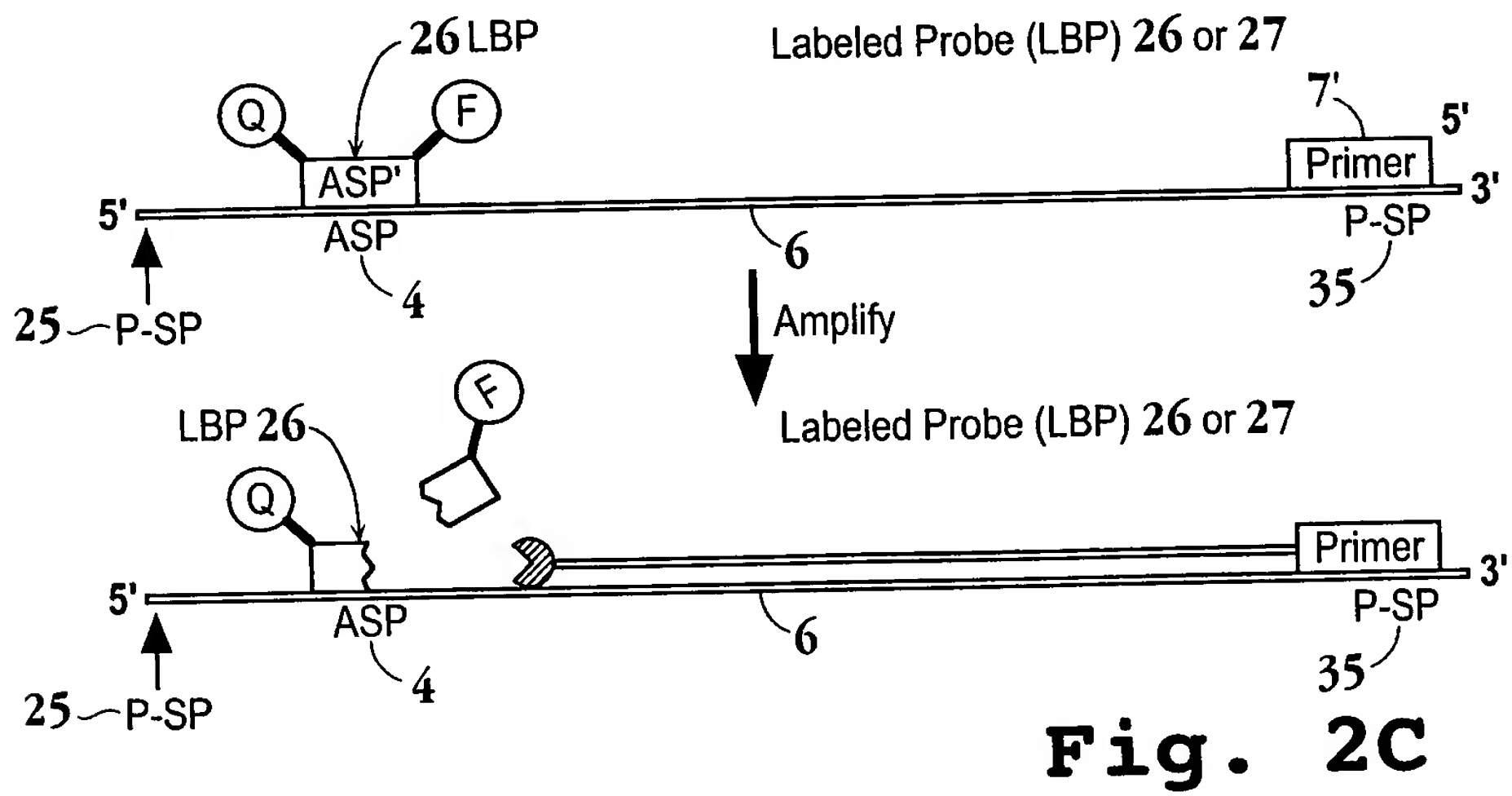
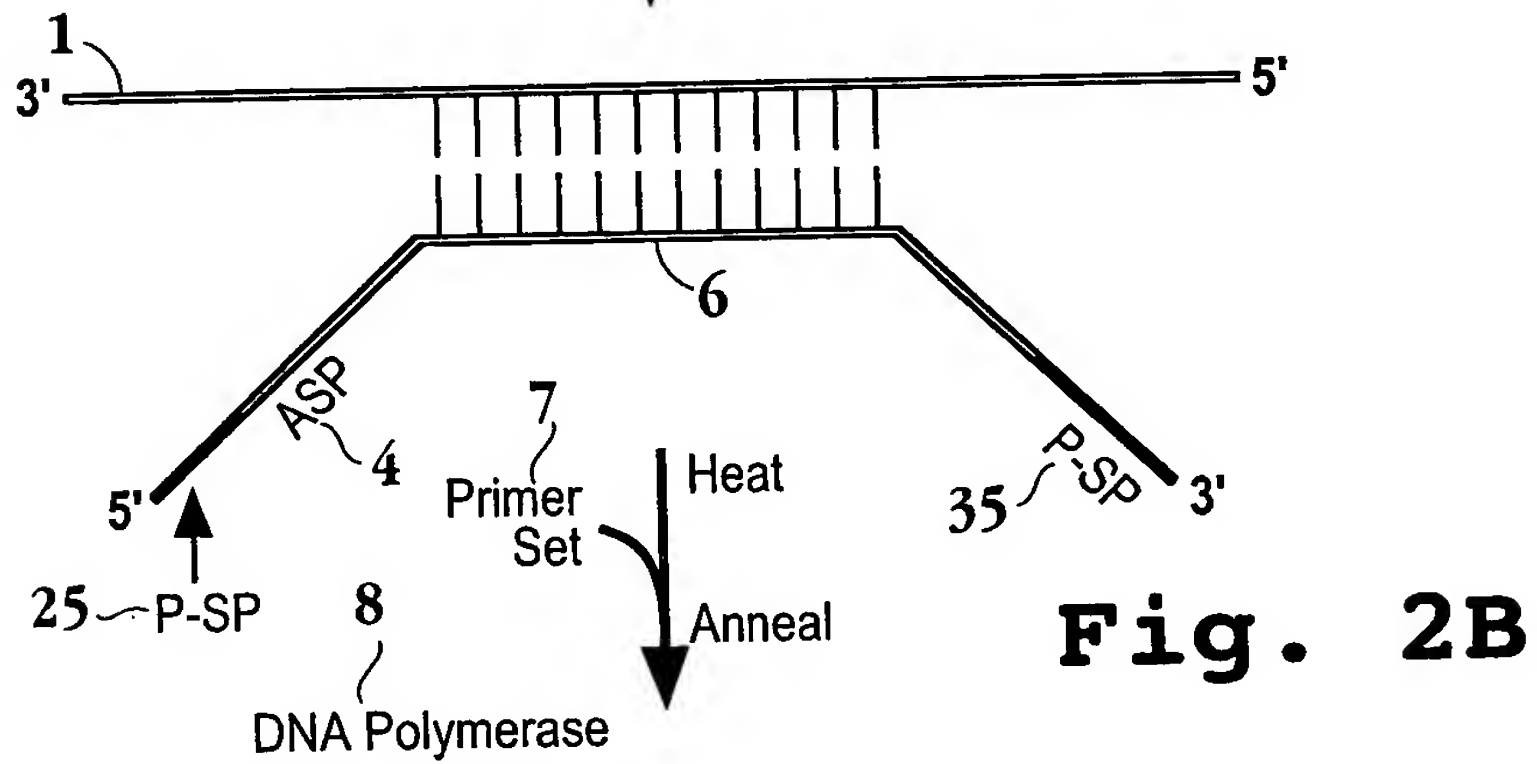
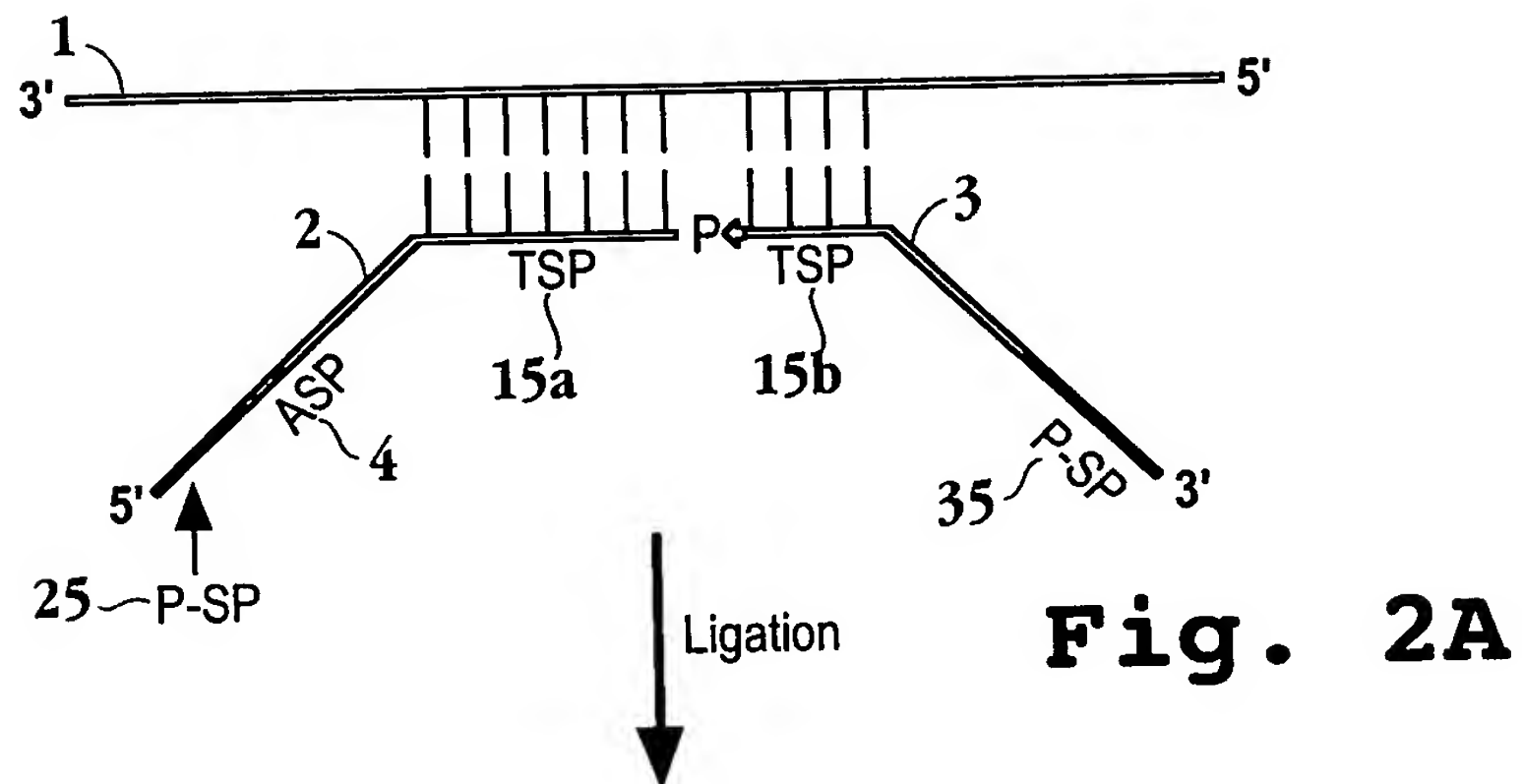
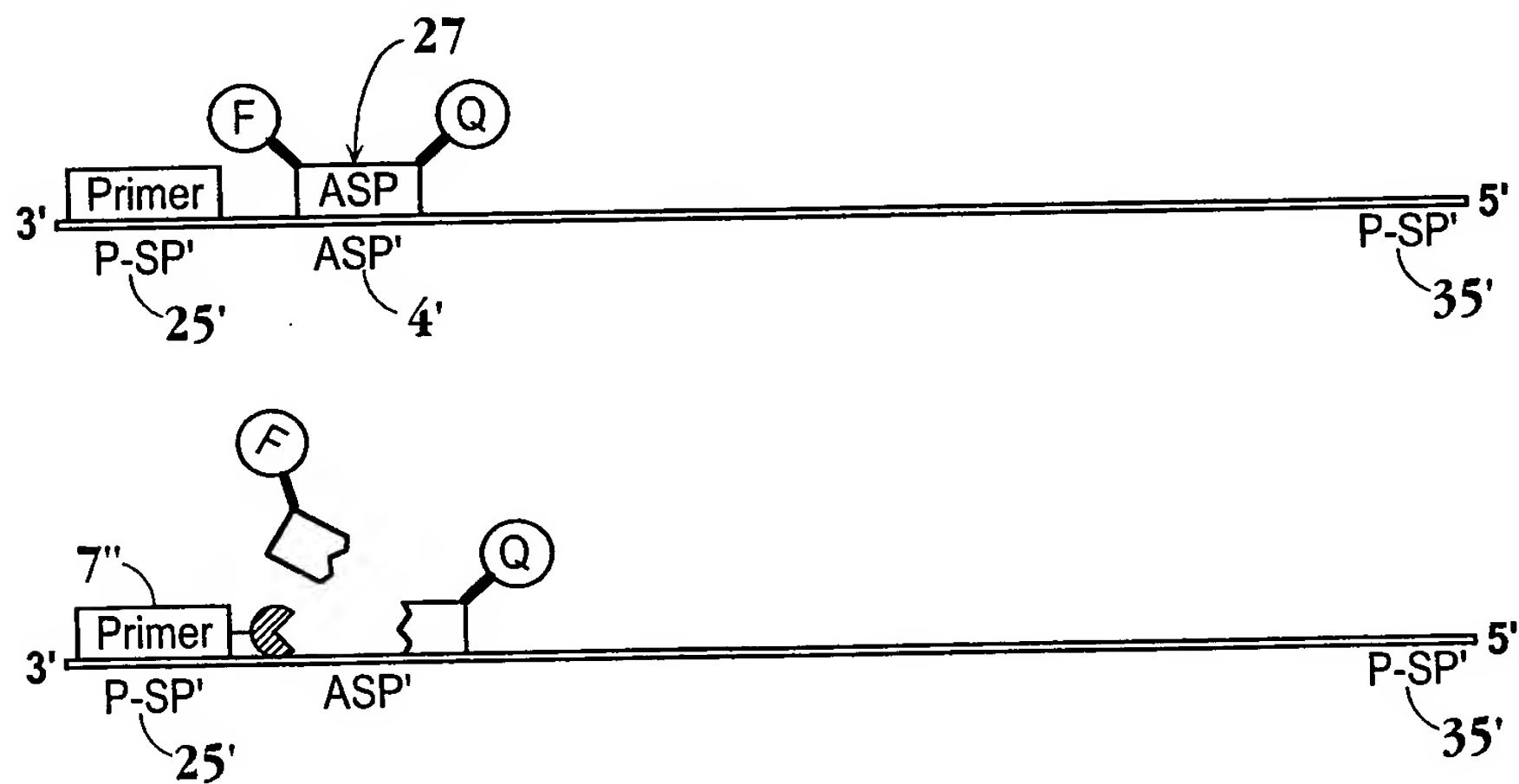
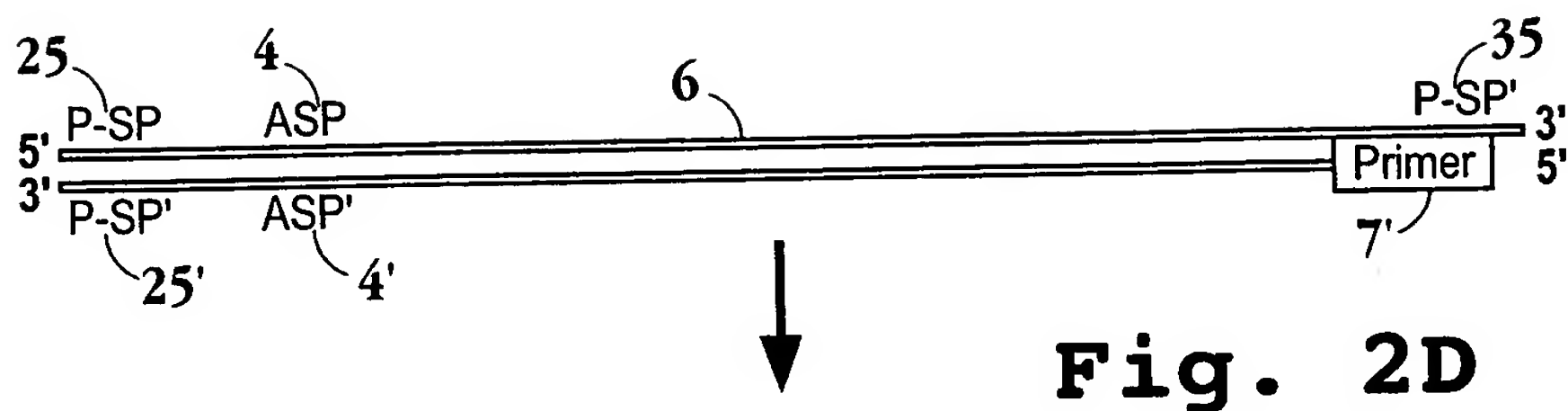


Fig. 1C







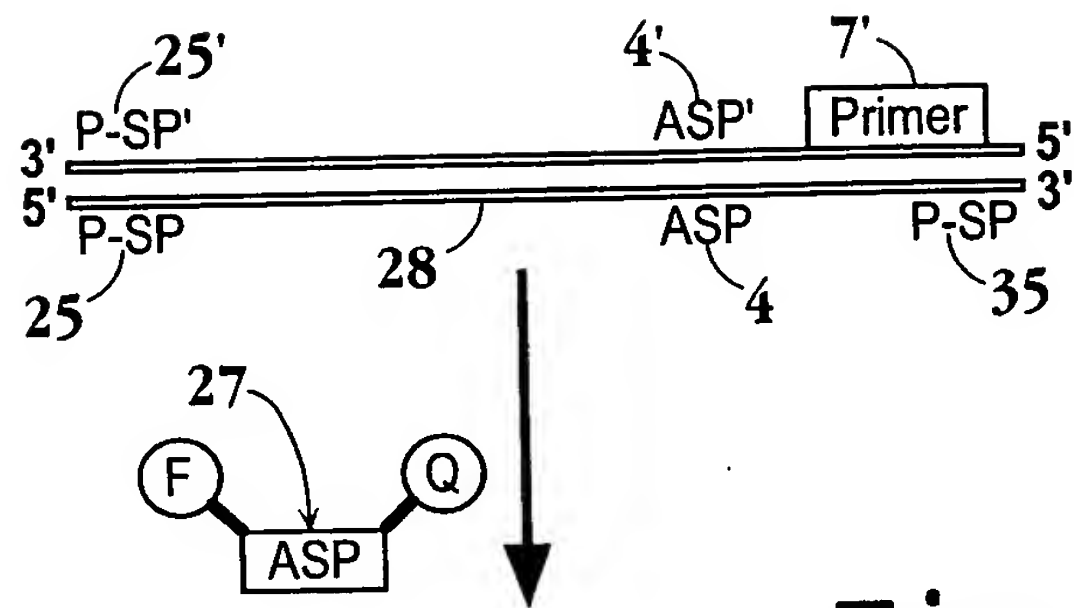


Fig. 3D

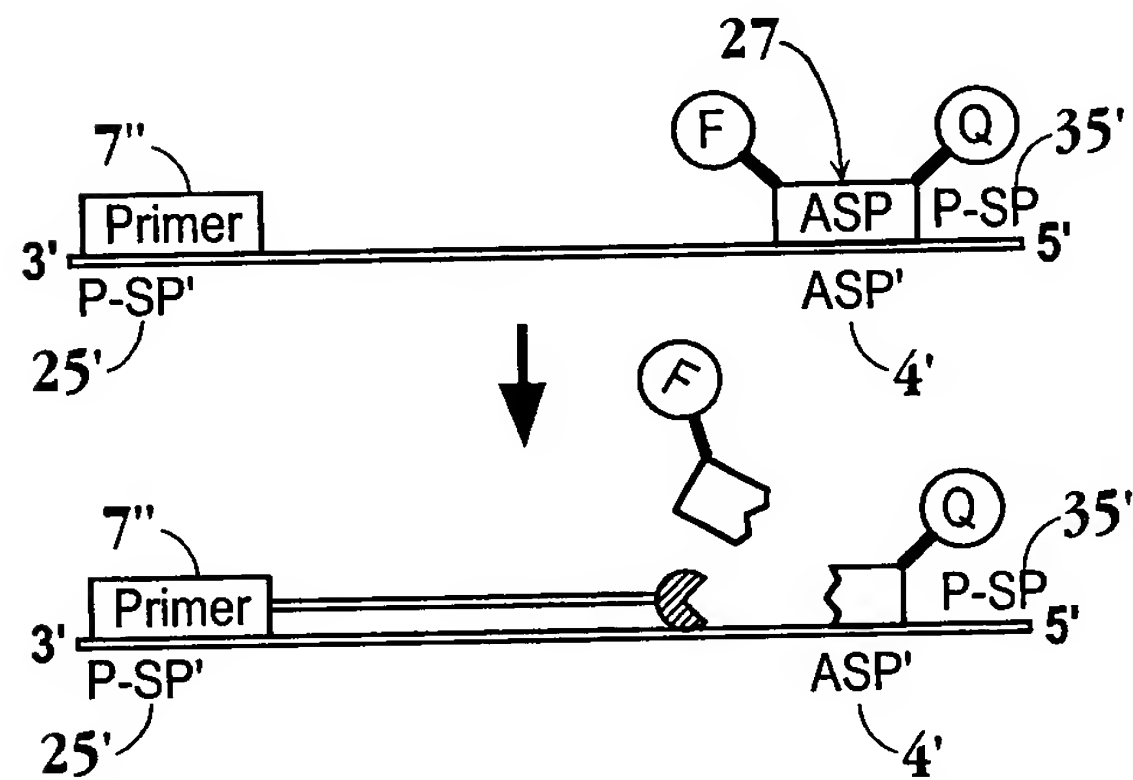


Fig. 3E

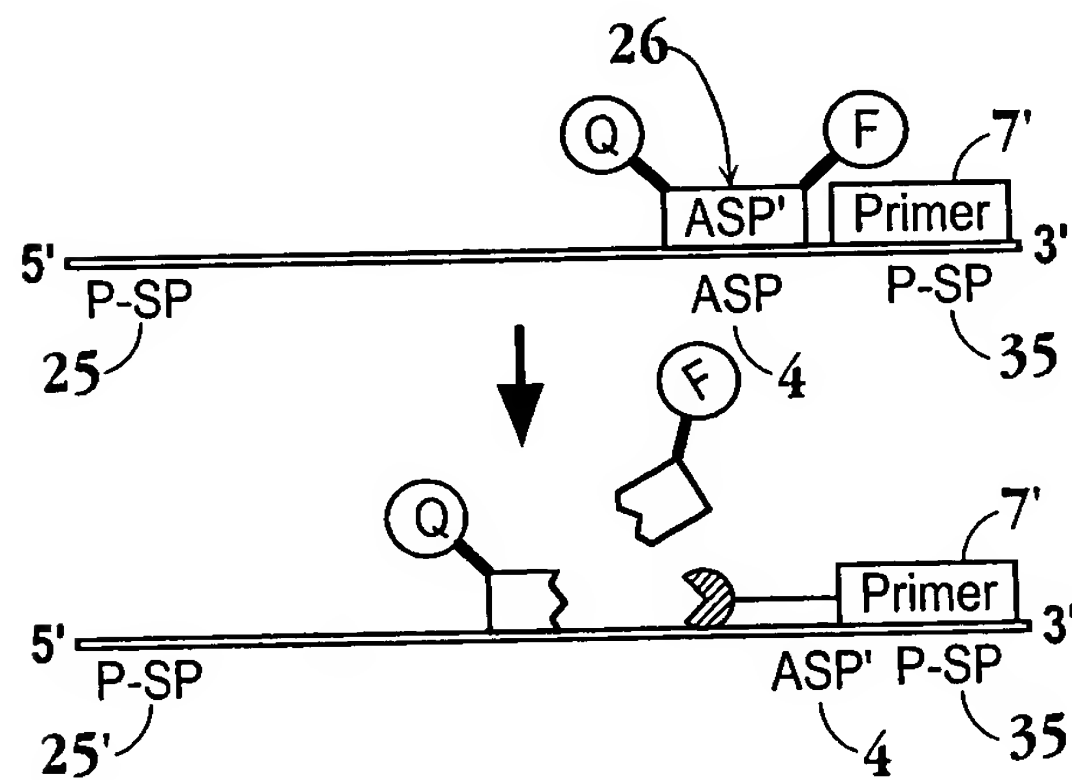


Fig. 3F

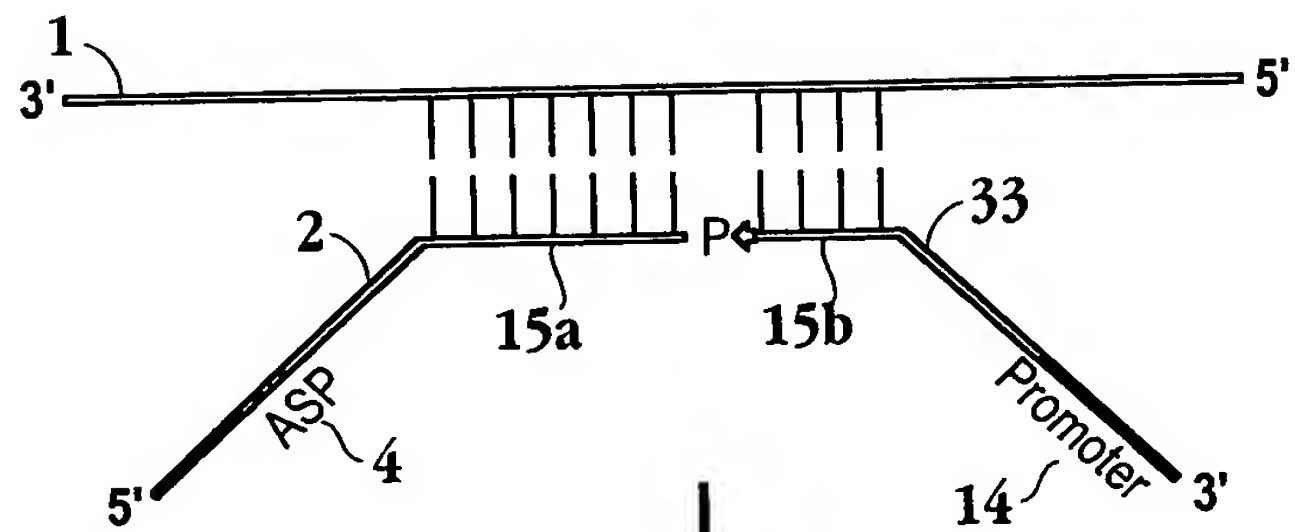


Fig. 4A

Ligation

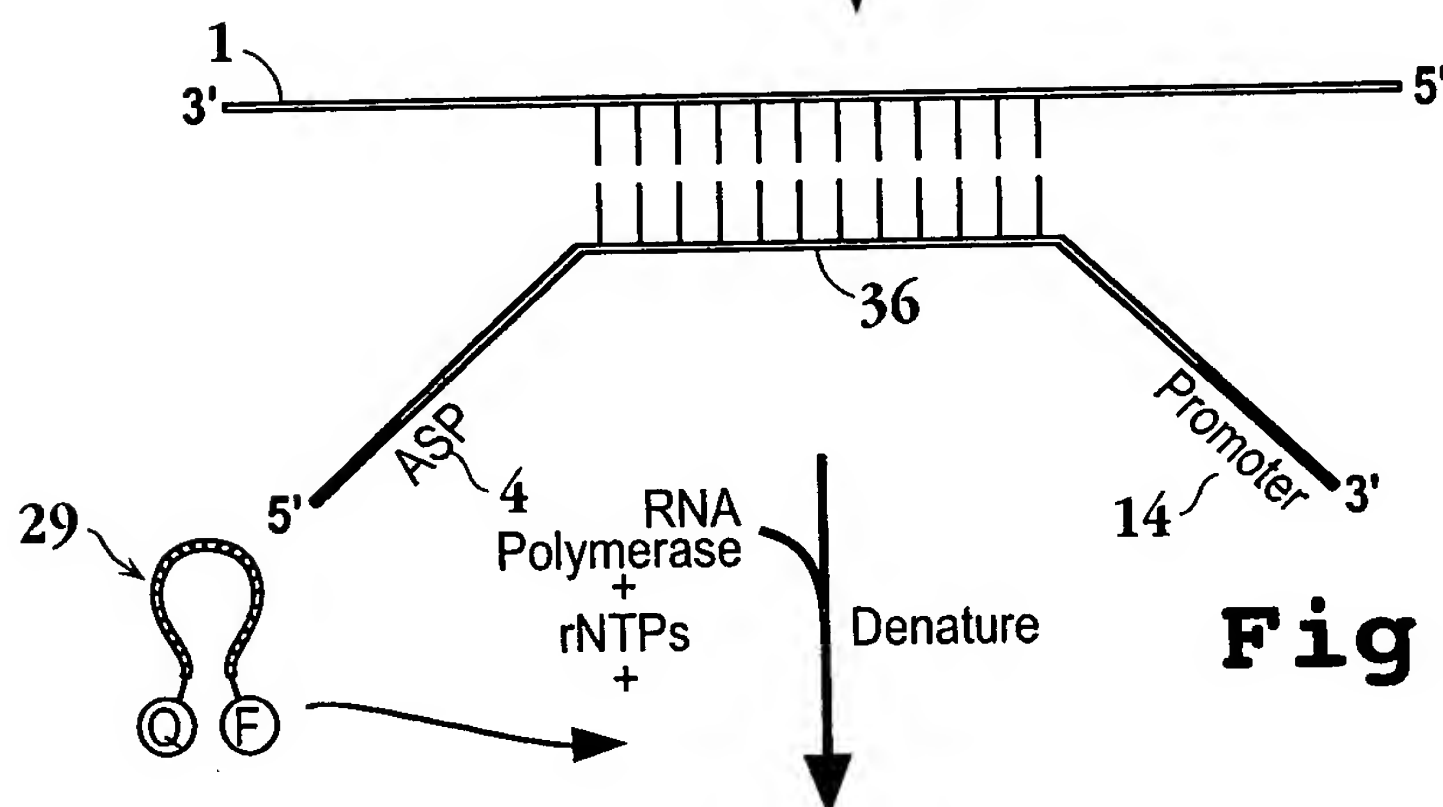


Fig. 4B

Denature

4 RNA Polymerase + rNTPs +

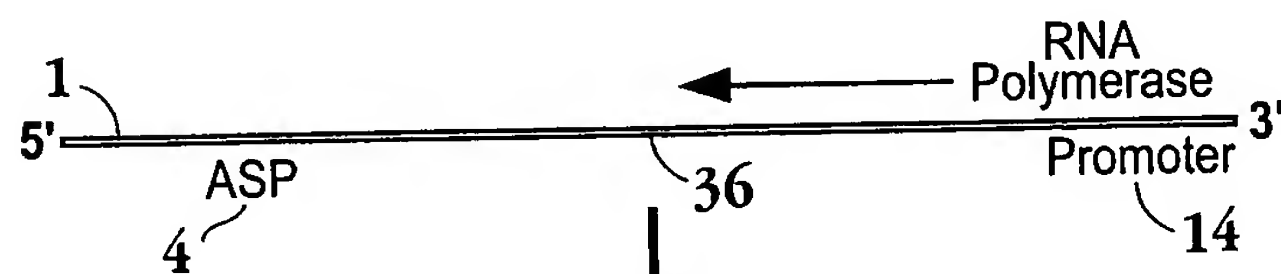


Fig. 4C

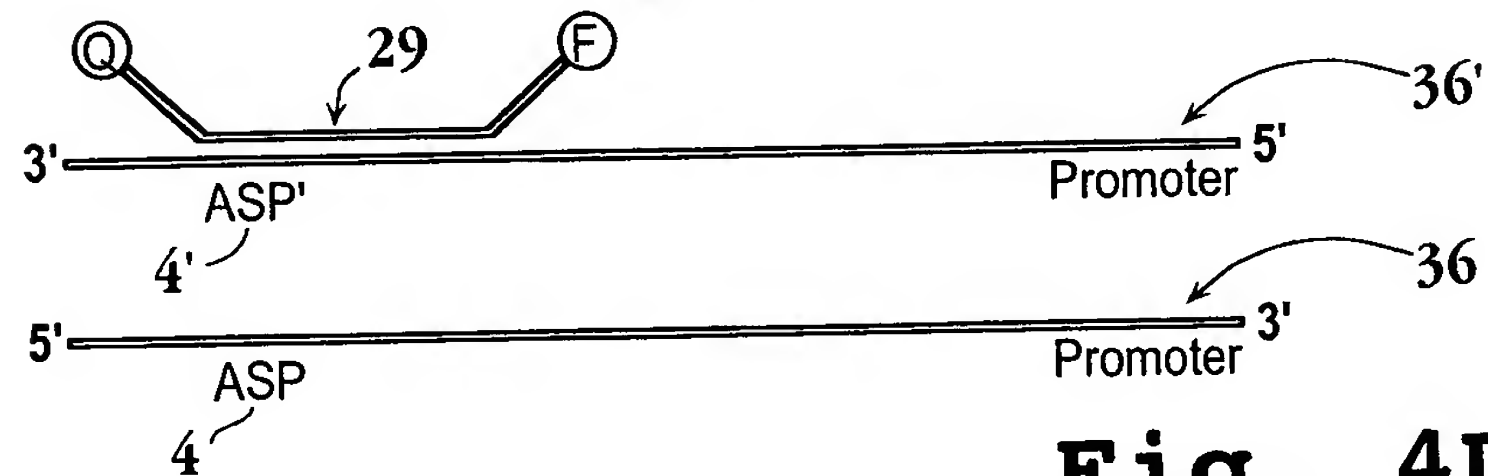
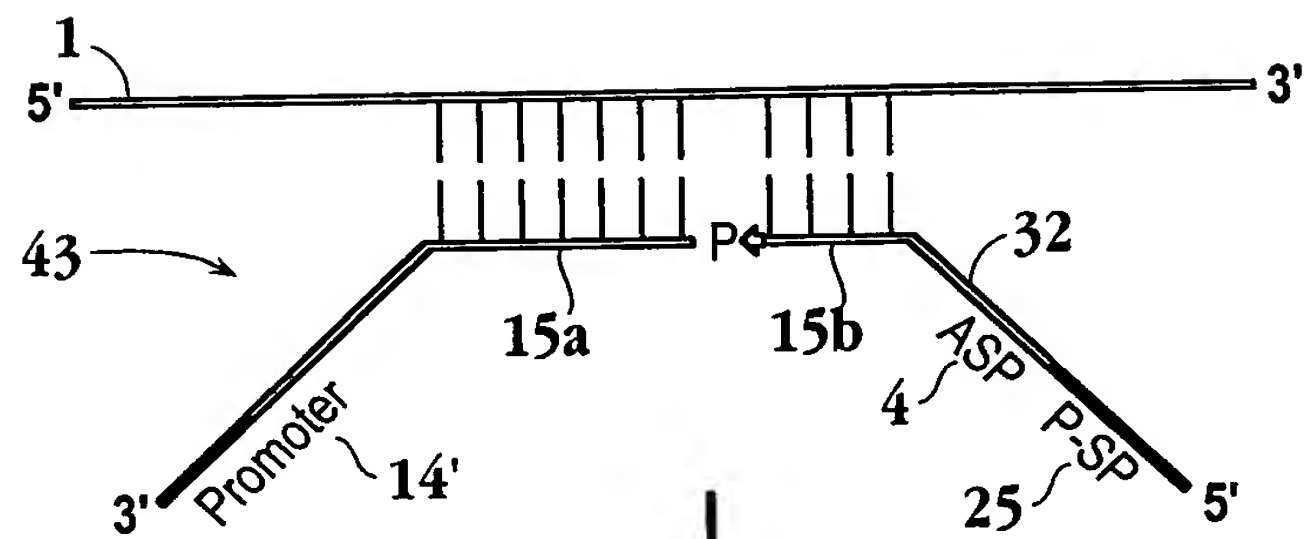
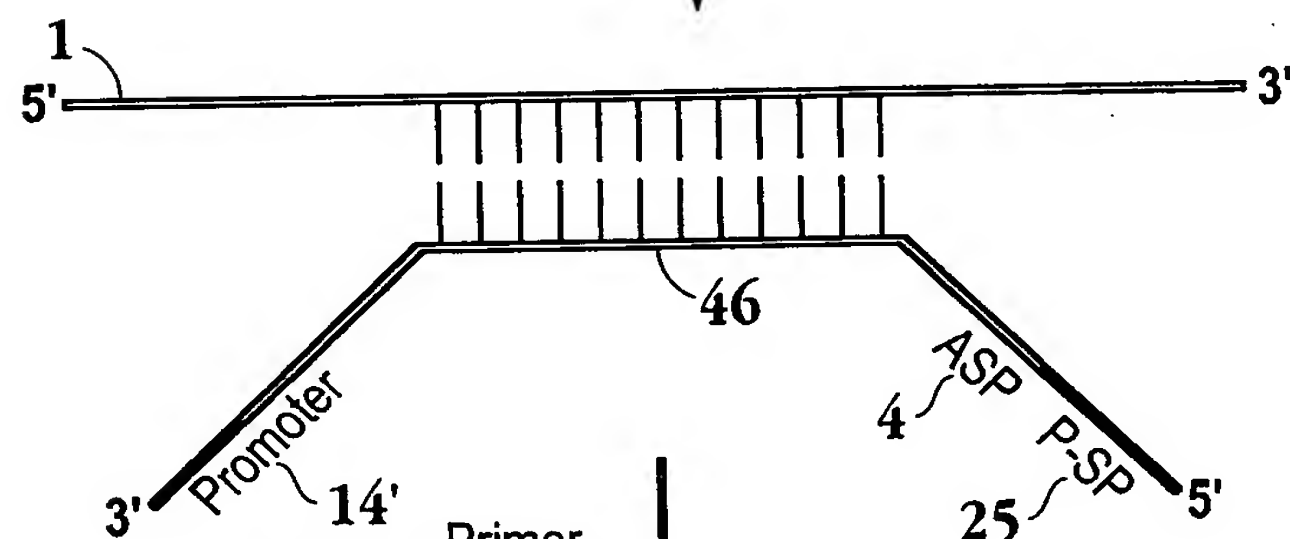


Fig. 4D



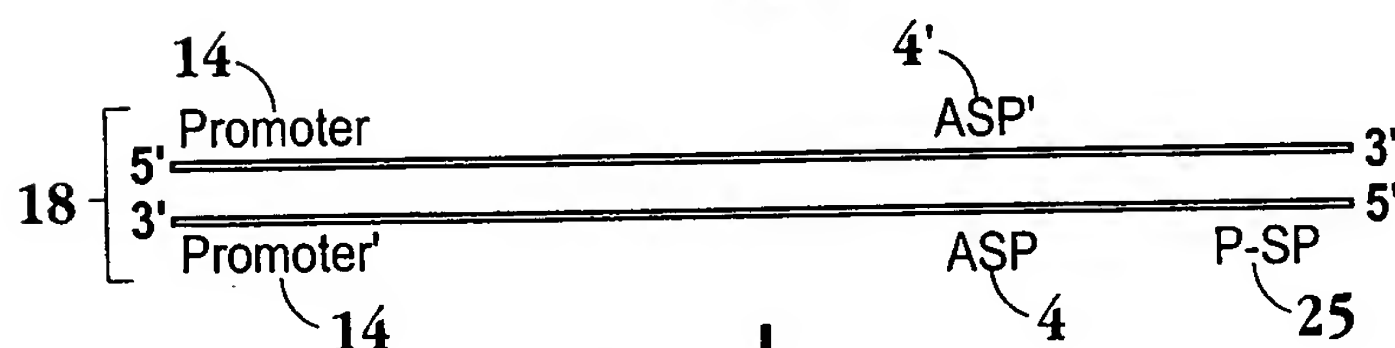
Ligation

Fig. 5A



Primer
DNA Polymerase
+
dNTPs

Fig. 5B



RNA
Polymerase

Fig. 5C

Transcription products to
which labeled probes hybridize

Fig. 5D

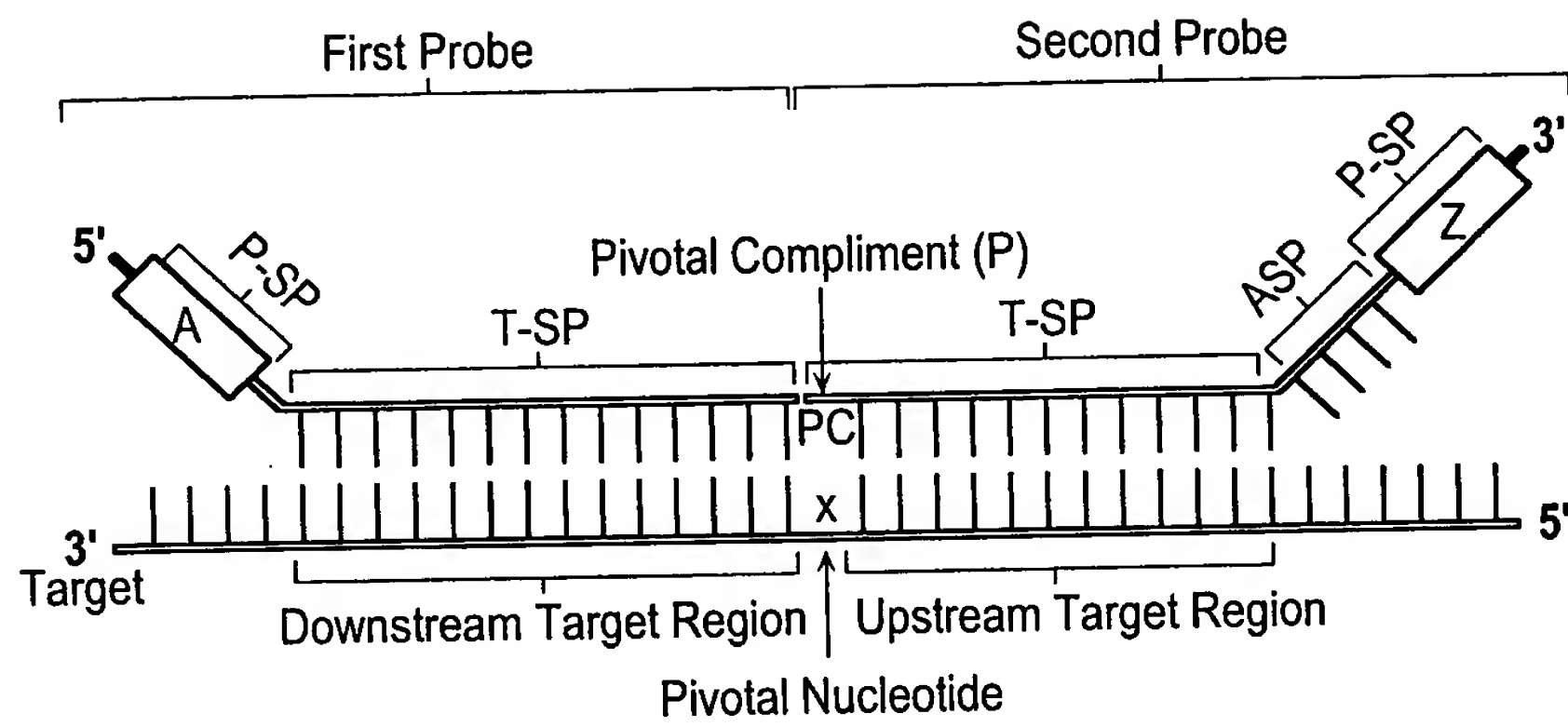


Fig. 6

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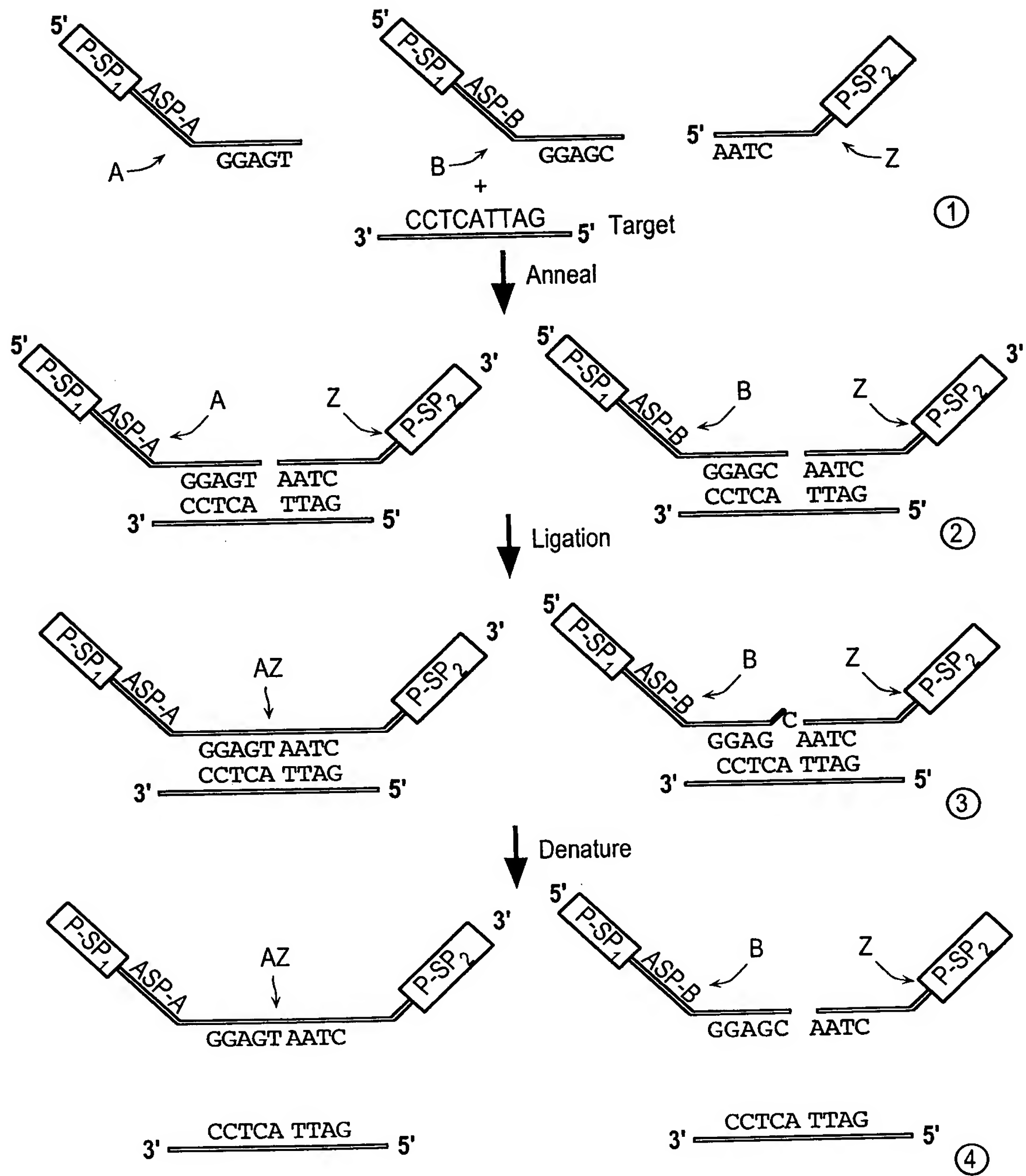
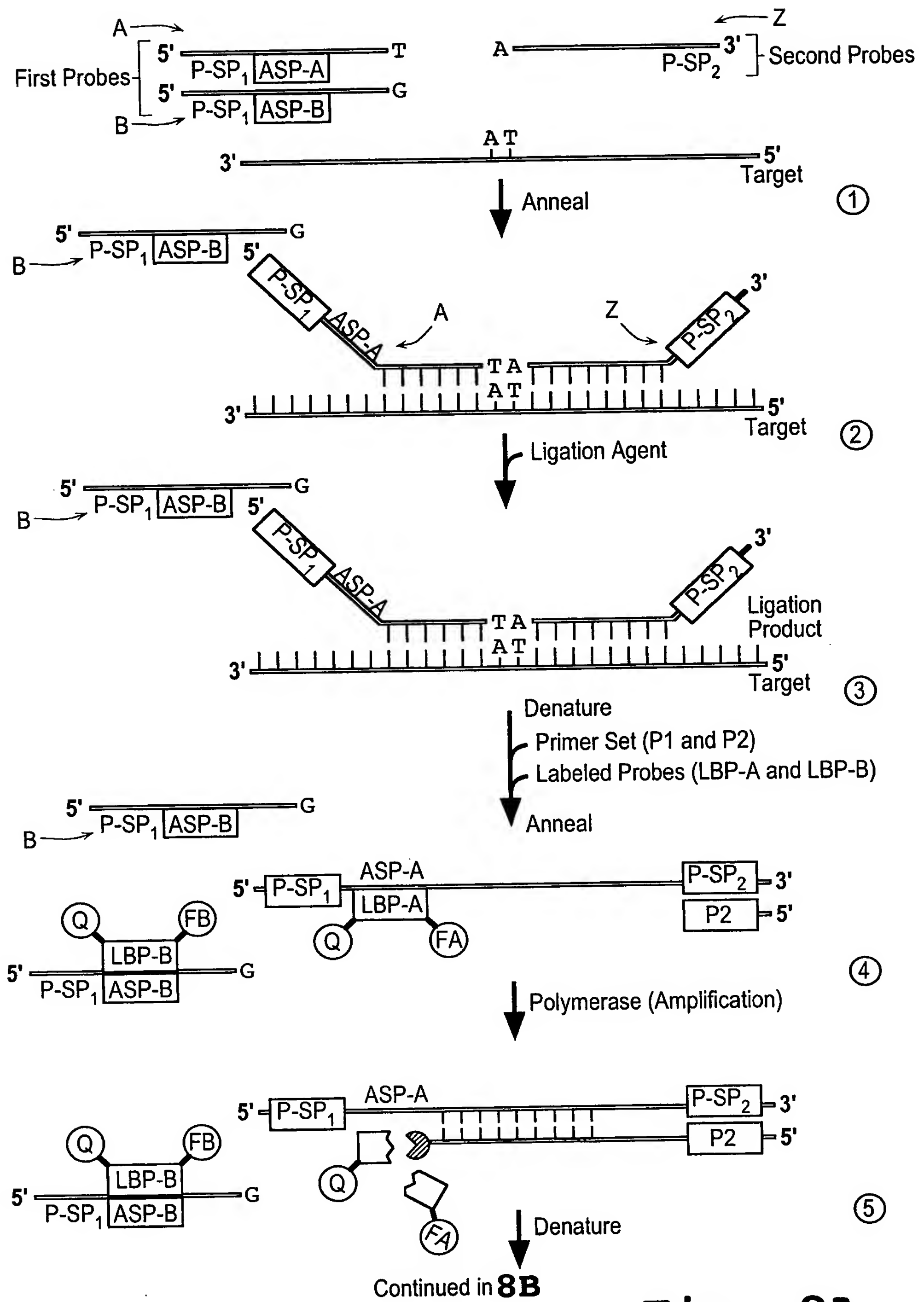


Fig. 7

**Fig. 8A**

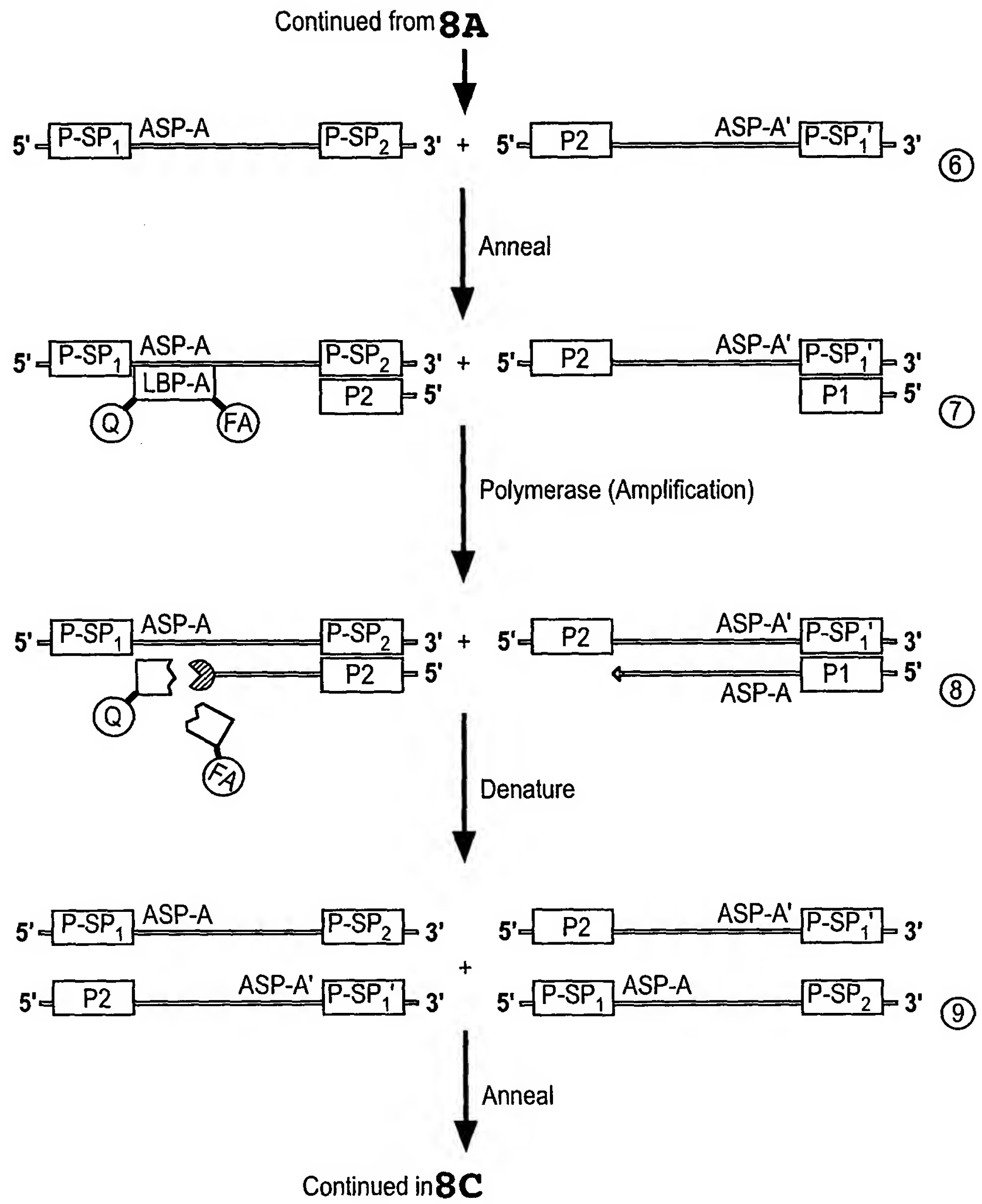
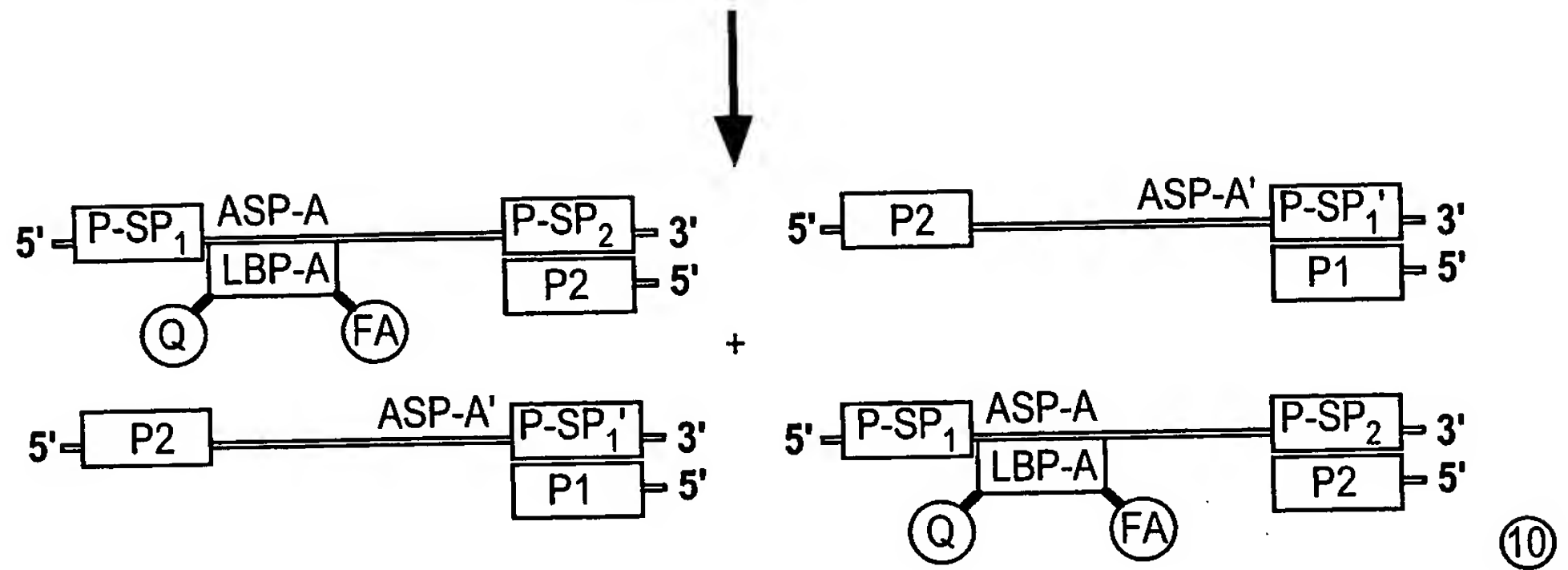
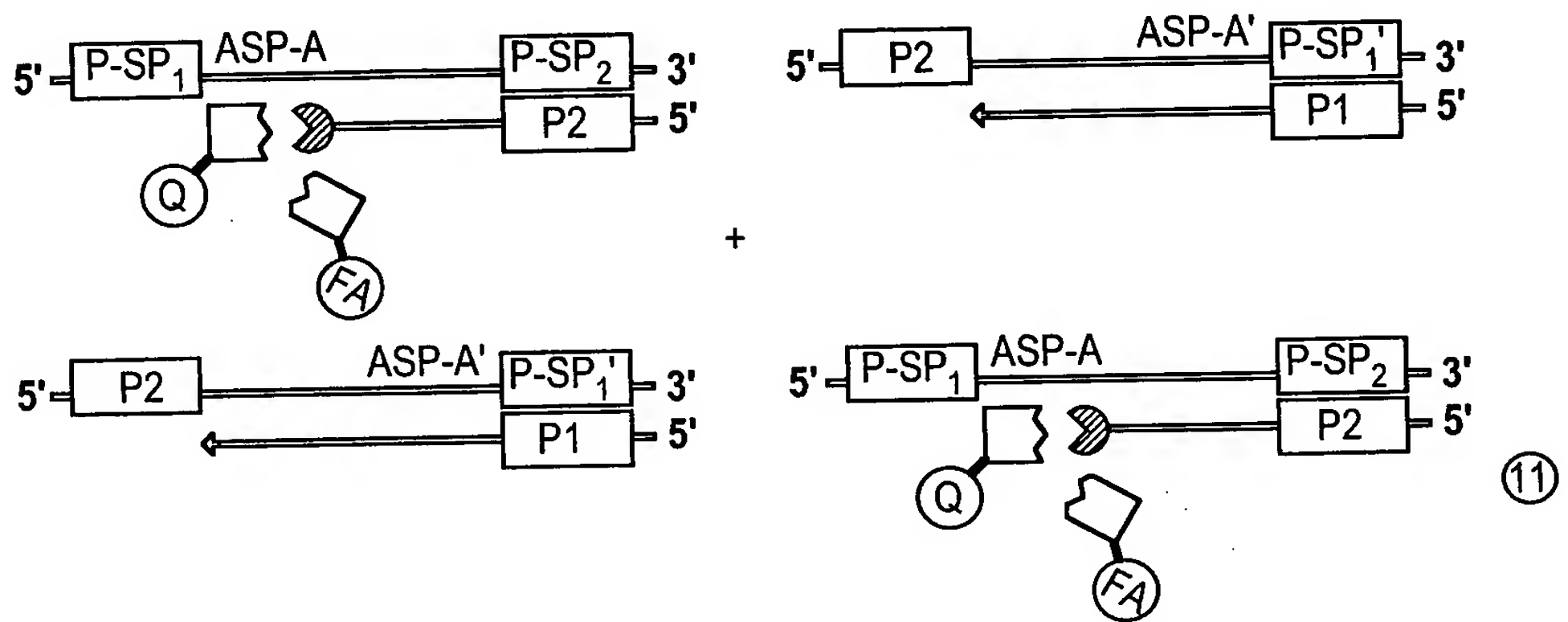
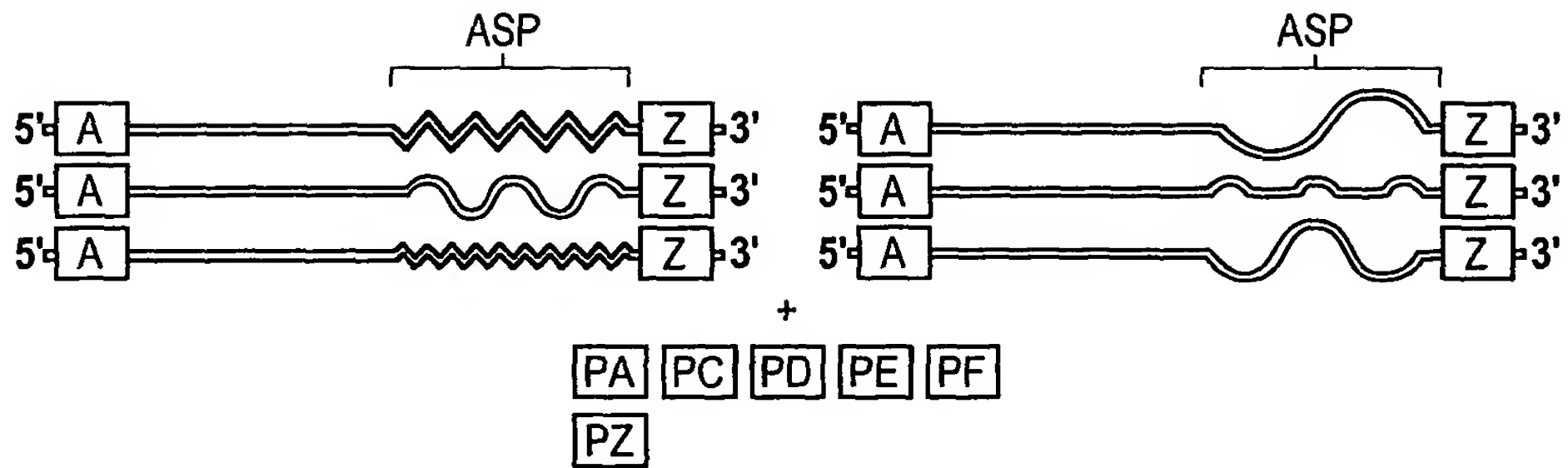
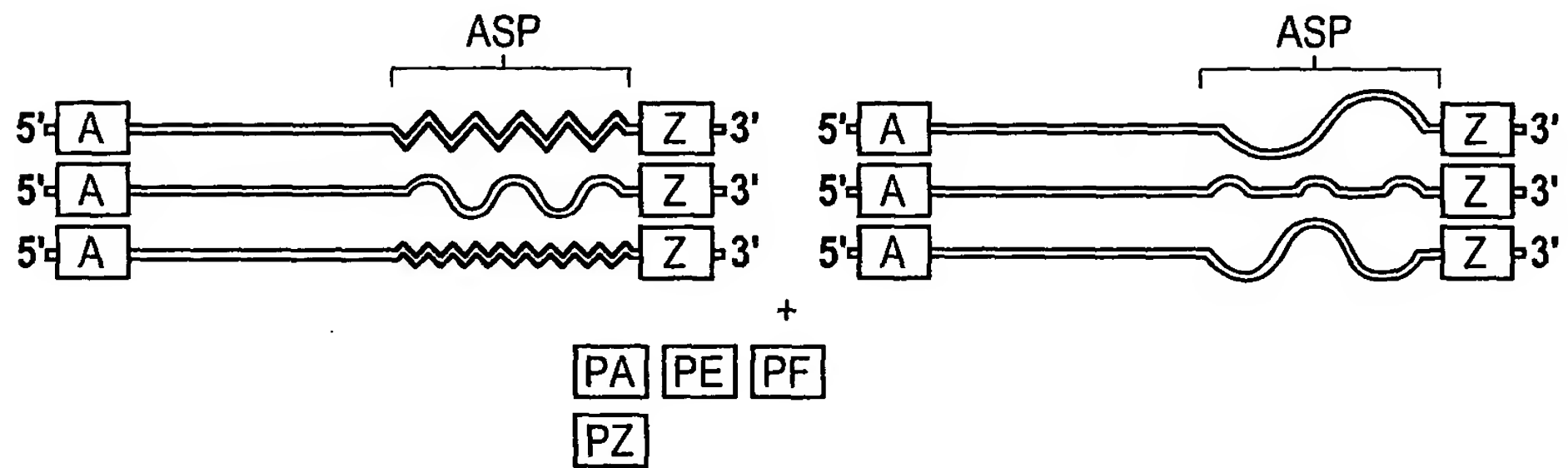
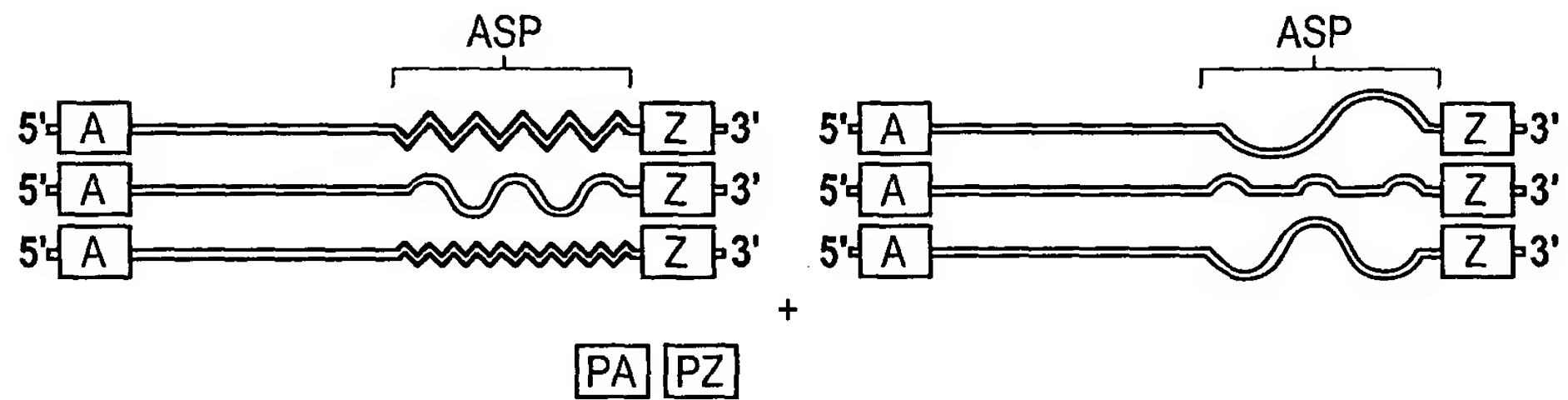


Fig. 8B

Continued from **8B**

Polymerase (Amplification)

**Fig. 8C**

**Fig. 9A****Fig. 9B****Fig. 9C**

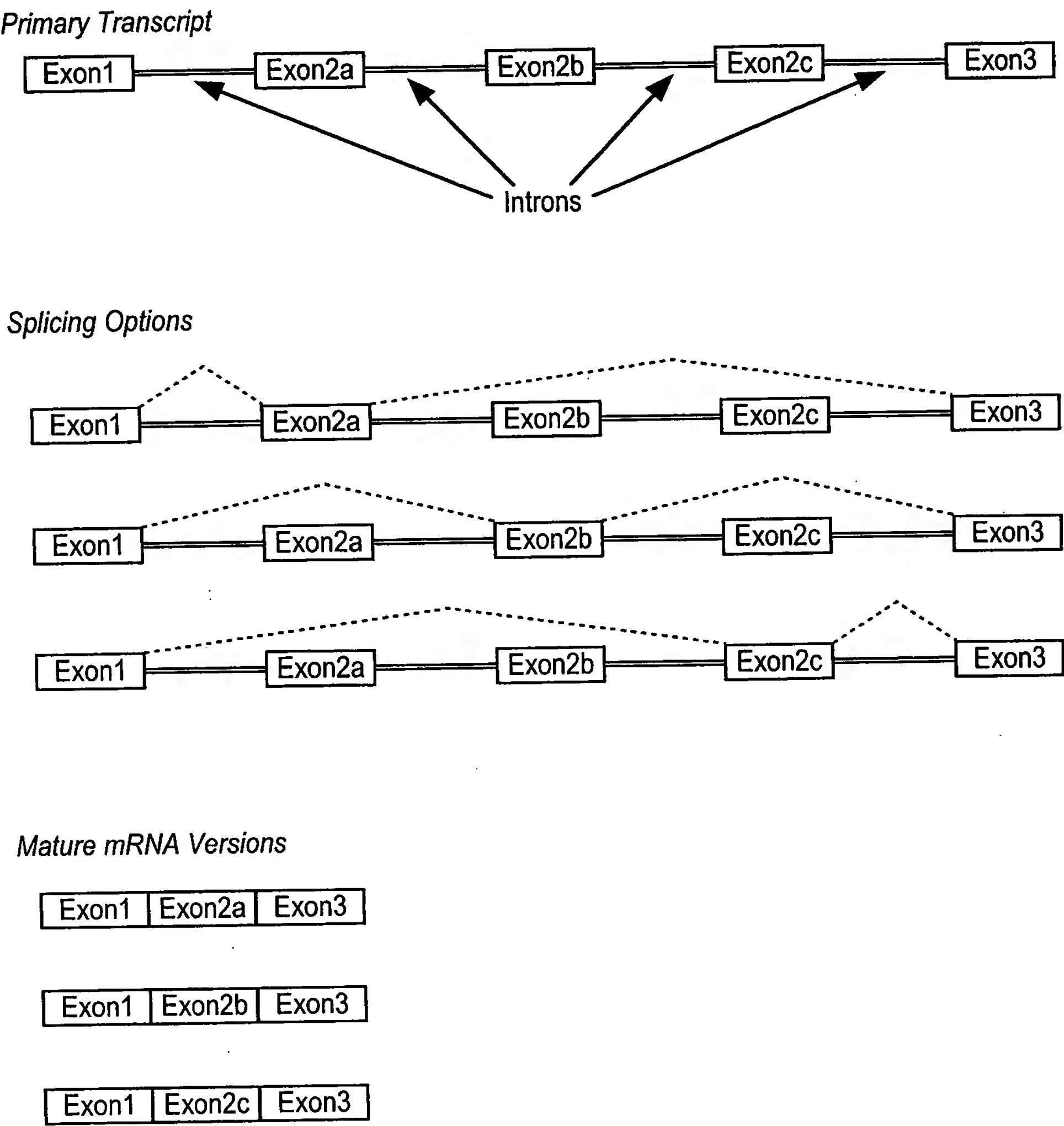
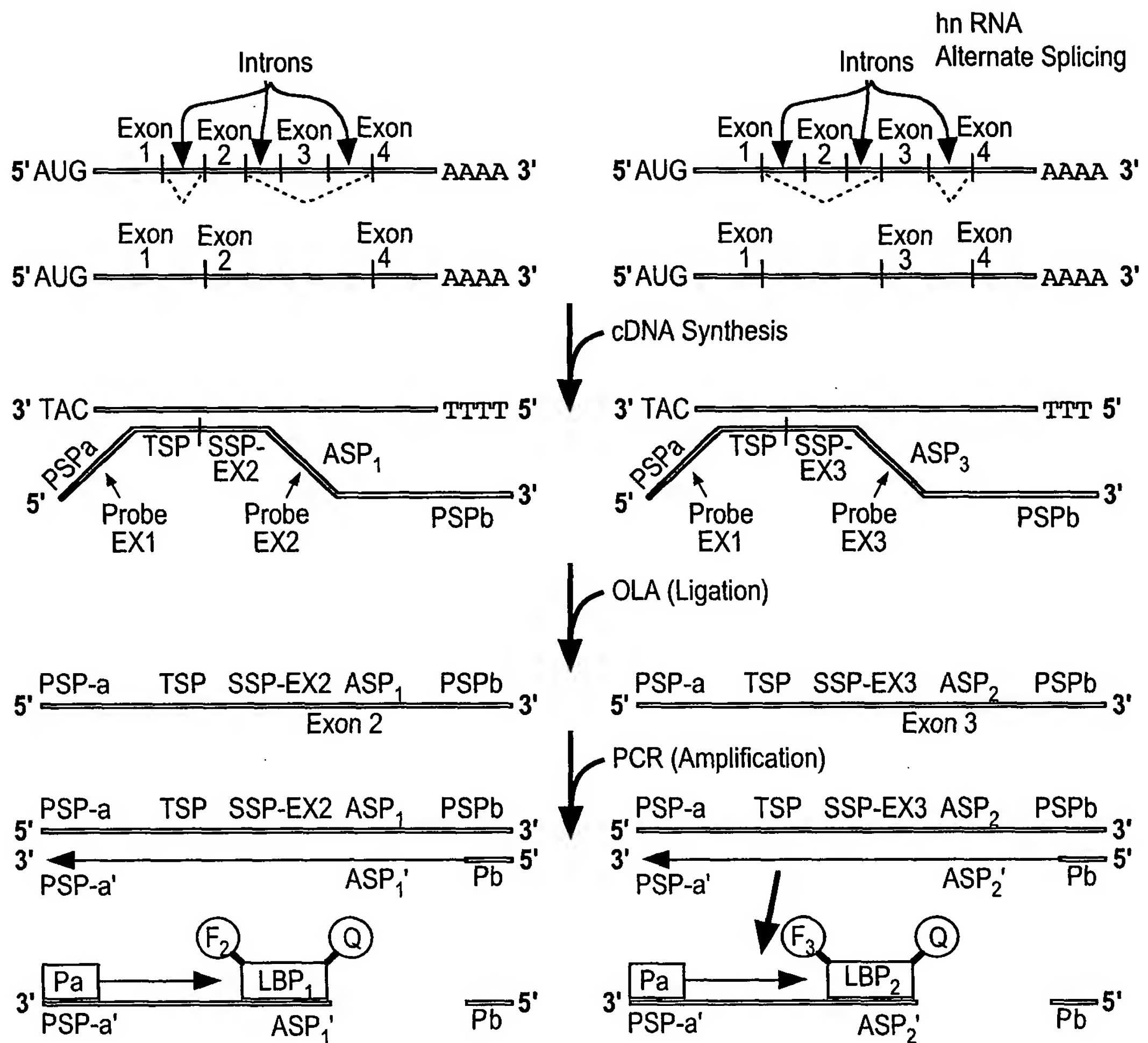
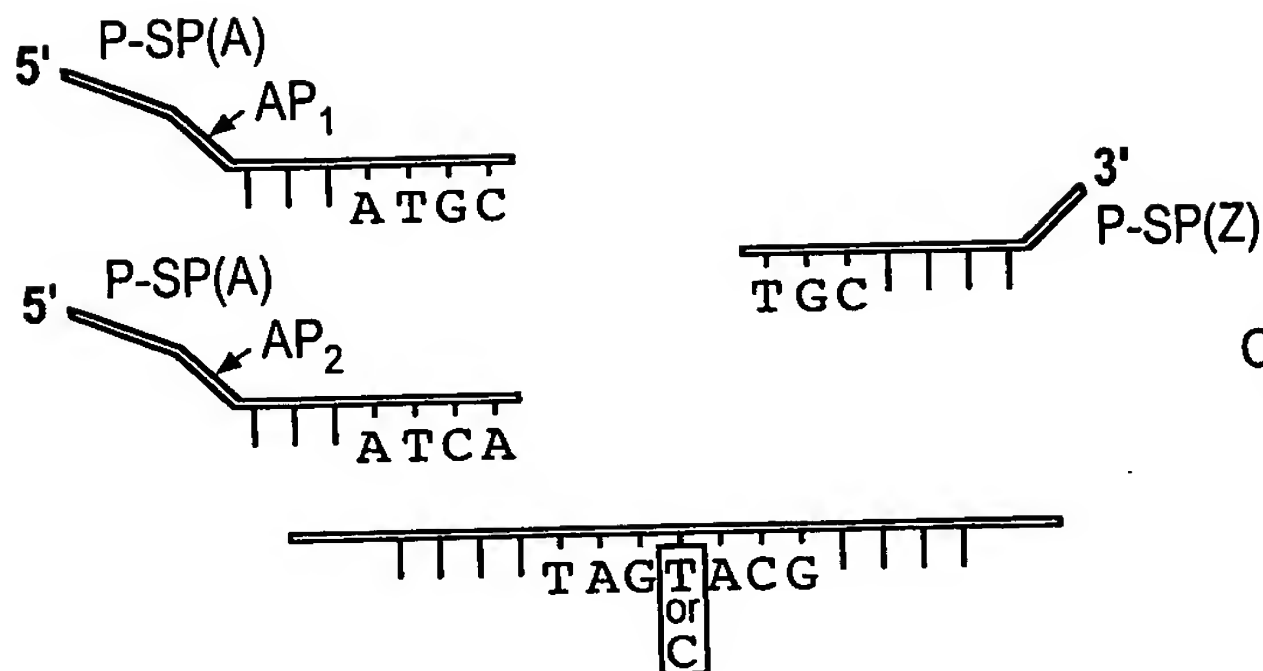


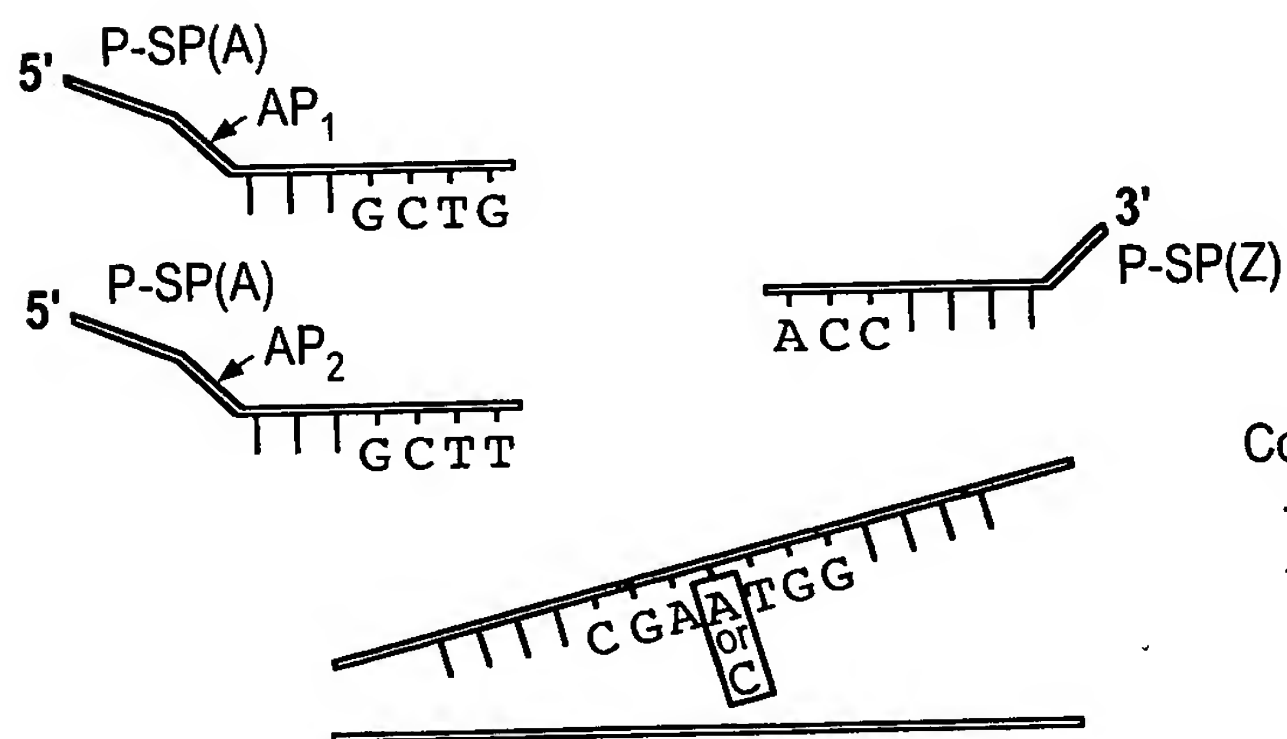
Fig. 10

**Fig. 11**



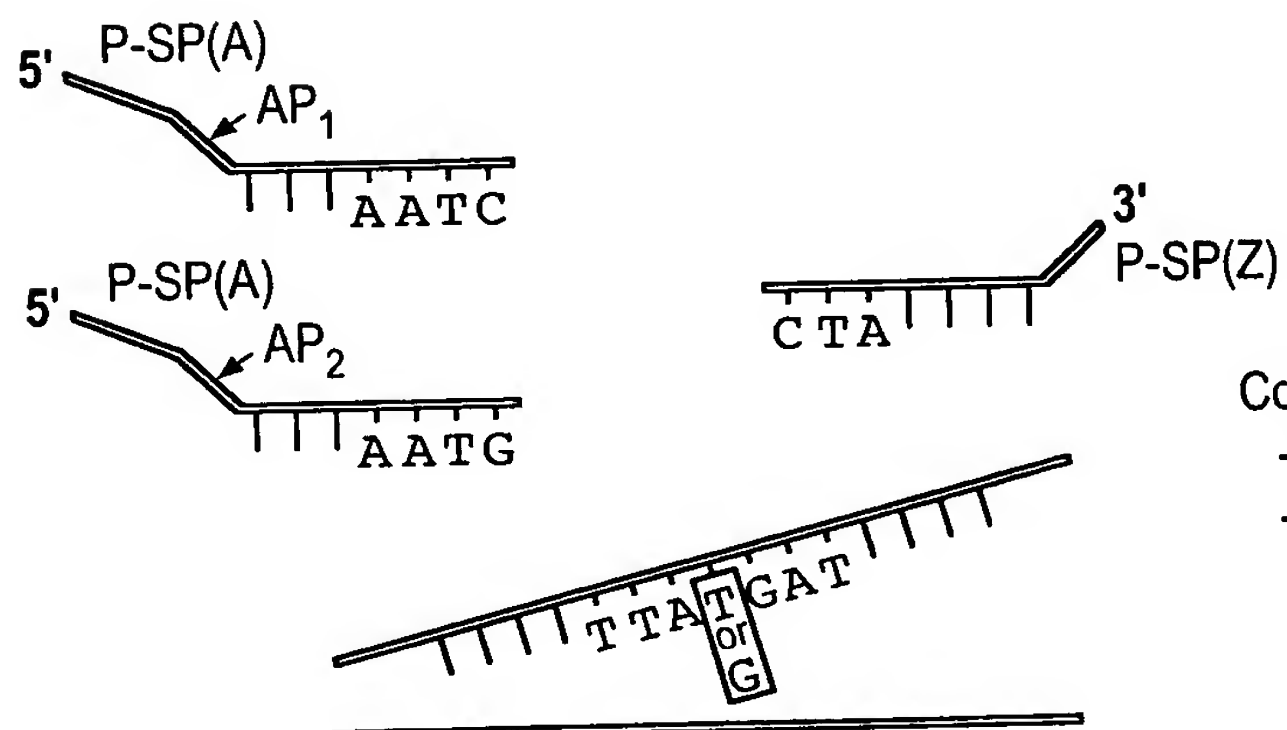
Combine with:

- Primers PA and PB, and
- Labeled Probes LBP-1, LPB-2, LBP-3, LBP-4, LBP-5, LBP-6

Fig. 12A

Combine with:

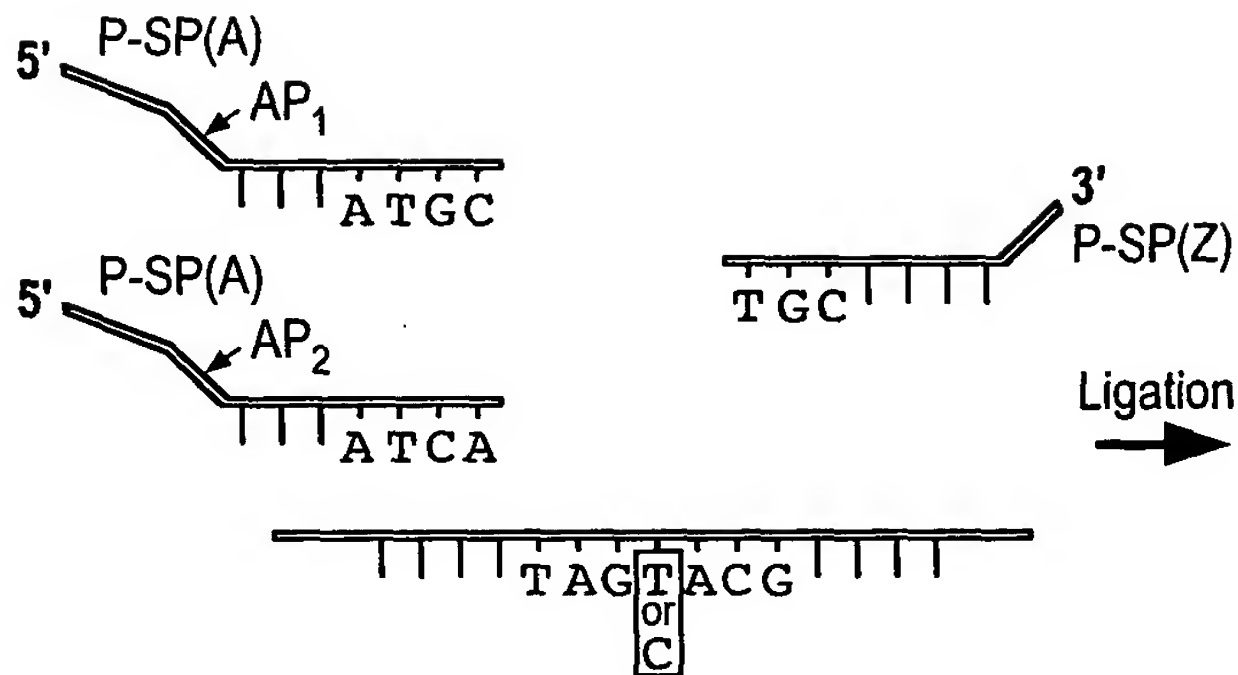
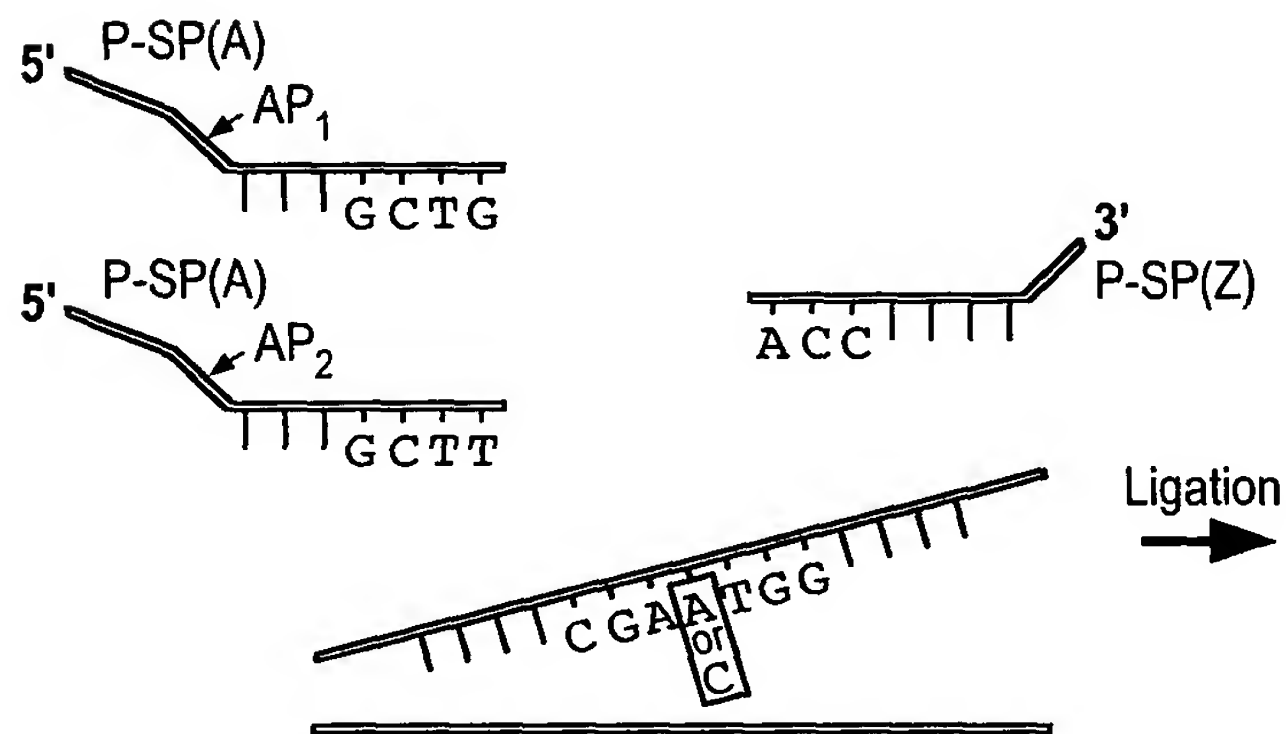
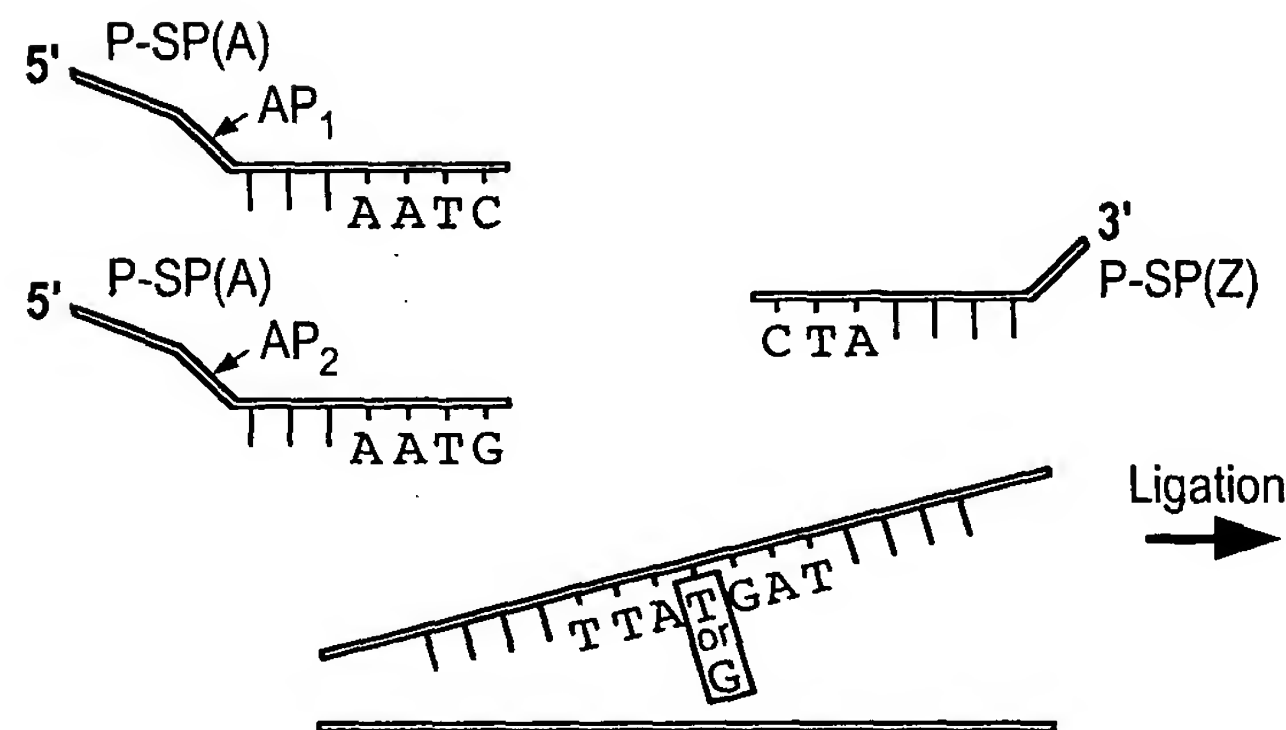
- Primers PA and PB, and
- Labeled Probes LBP-1, LPB-2, LBP-3, LBP-4, LBP-5, LBP-6

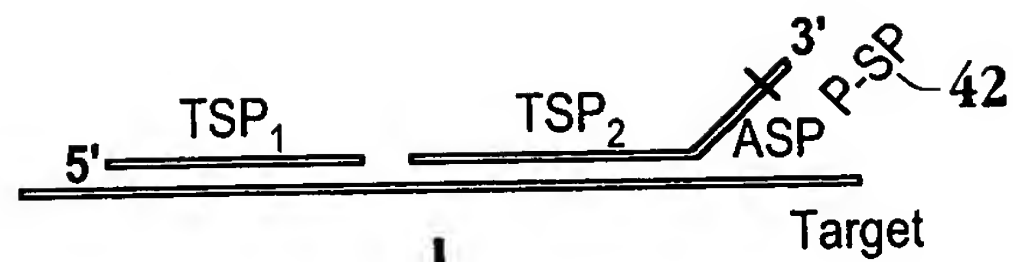
Fig. 12B

Combine with:

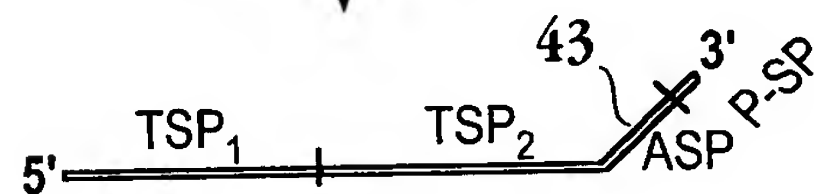
- Primers PA and PB, and
- Labeled Probes LBP-1, LPB-2, LBP-3, LBP-4, LBP-5, LBP-6

Fig. 12C

**Fig. 13A****Fig. 13B****Fig. 13C**

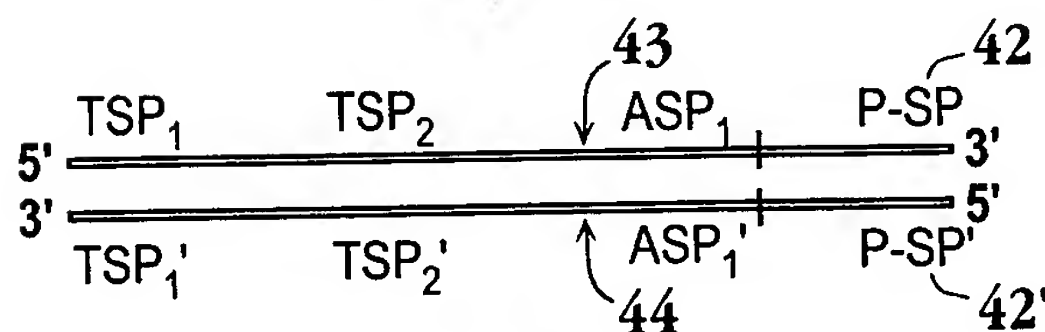
**Fig. 14A**

Ligation

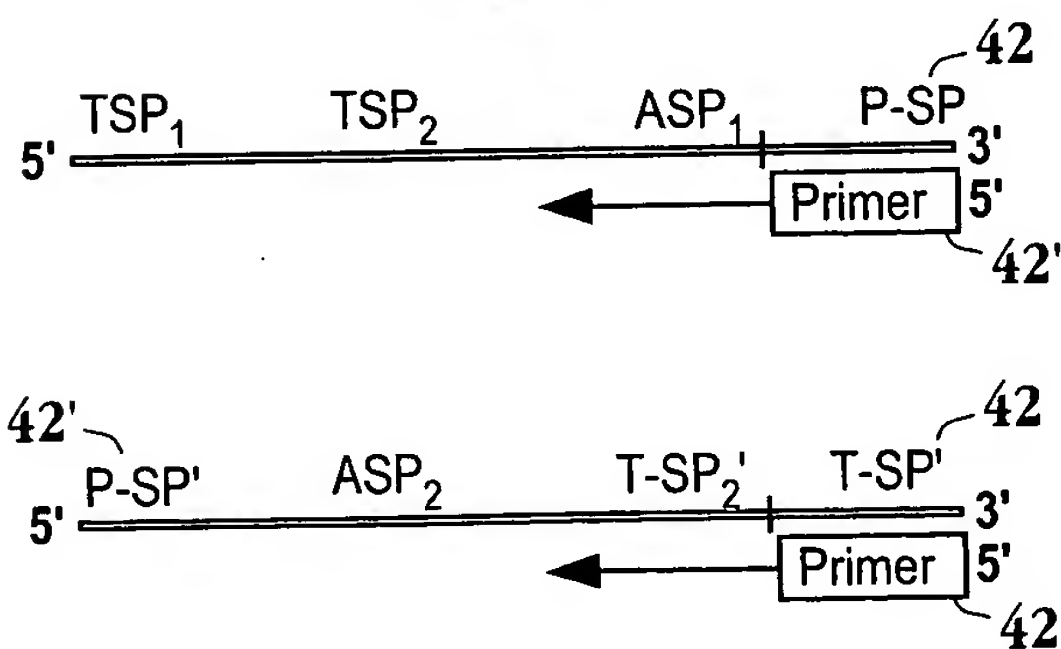
**Fig. 14B**

Primer 42'

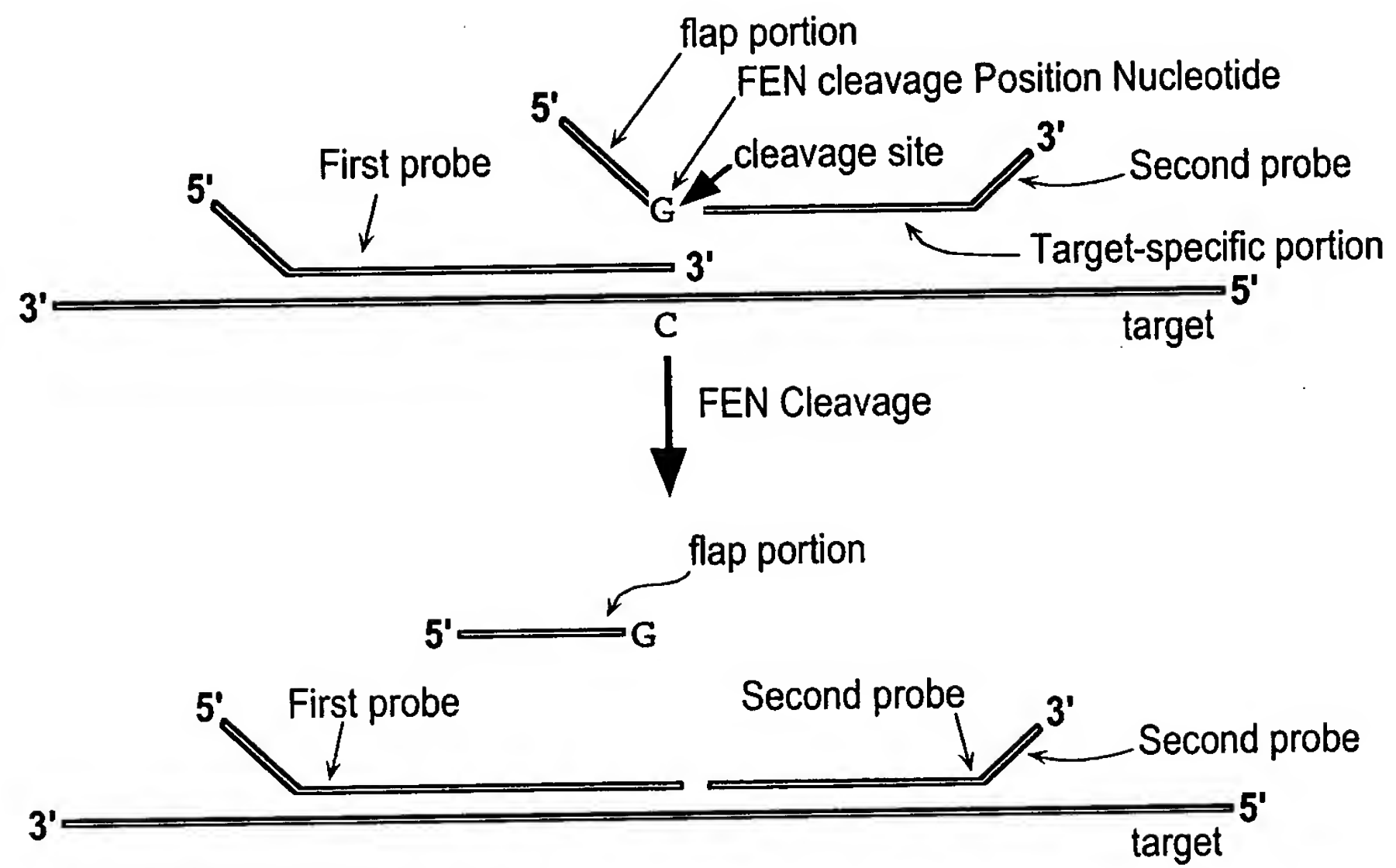
1st Amplification cycle

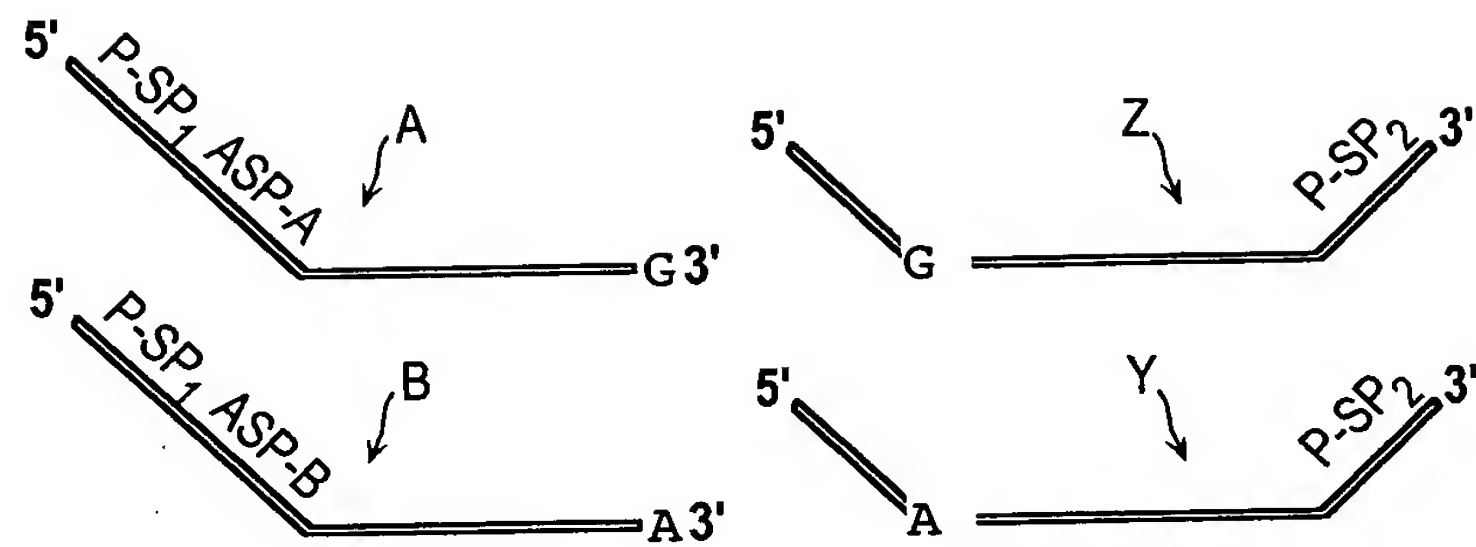
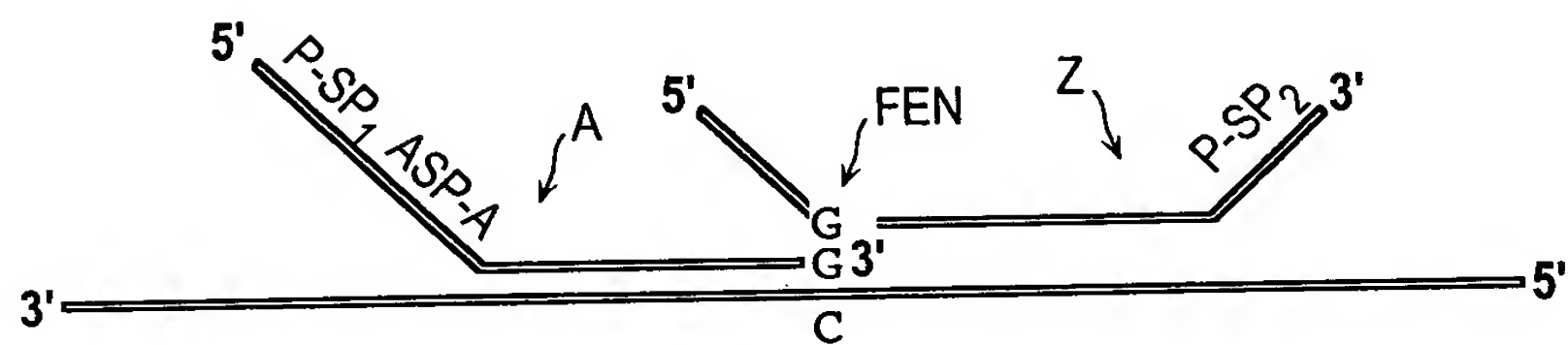
**Fig. 14C**

2nd Amplification cycle

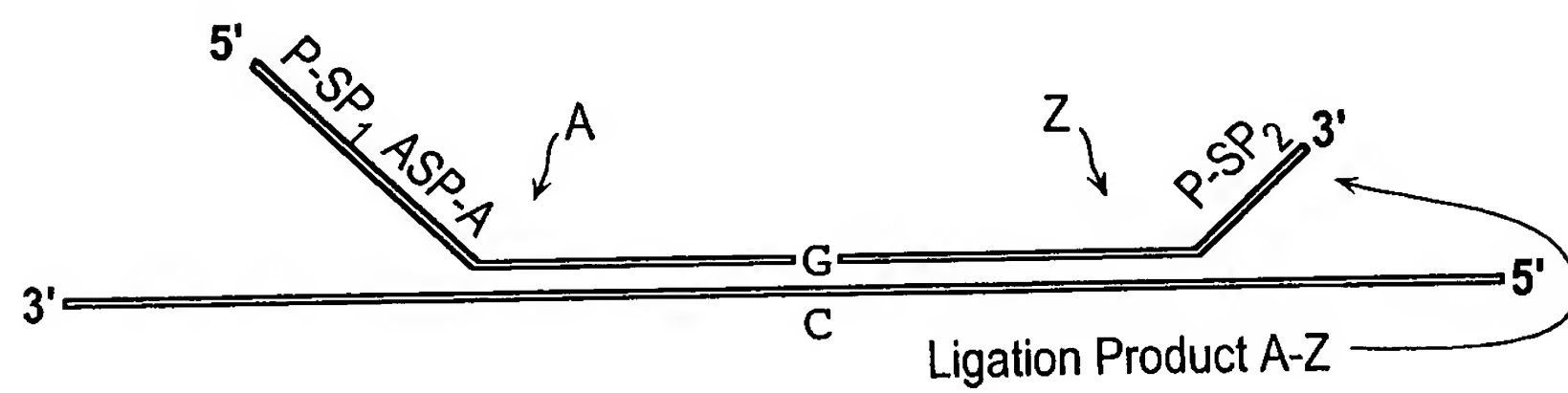
**Fig. 14D**

excess first probe

**Fig. 15**

**Fig. 16A****Fig. 16B**

Target with "C" at pivotal nucleotide allows FEN
cleavage and ligation of Probes A and Z

**Fig. 16C**

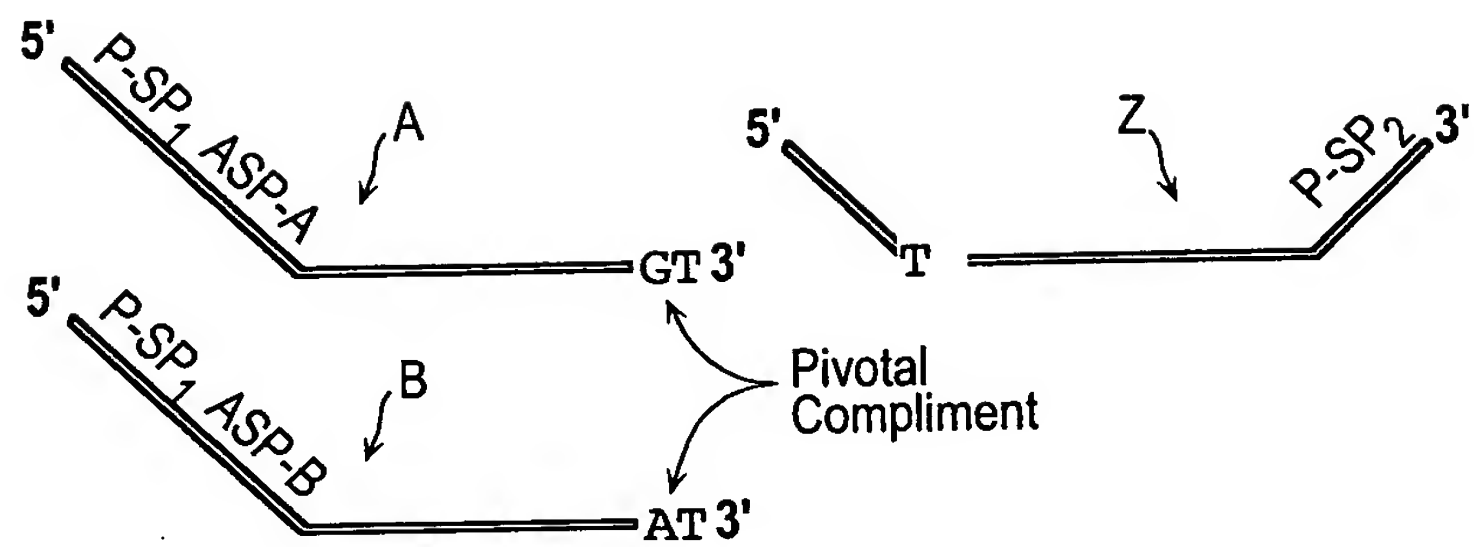


Fig. 17A

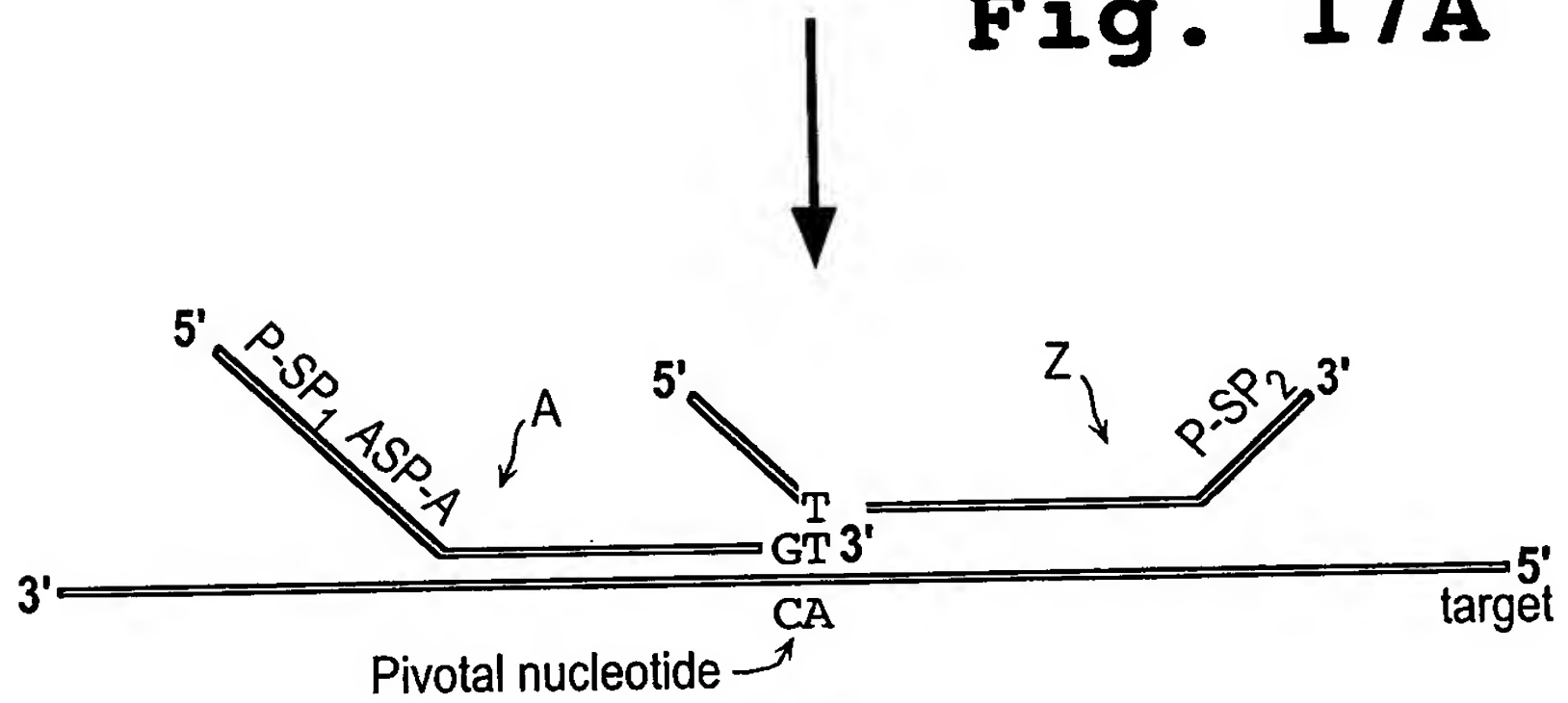


Fig. 17B

Target with "C" at pivotal nucleotide allows FEN cleavage and ligation of Probes A and Z

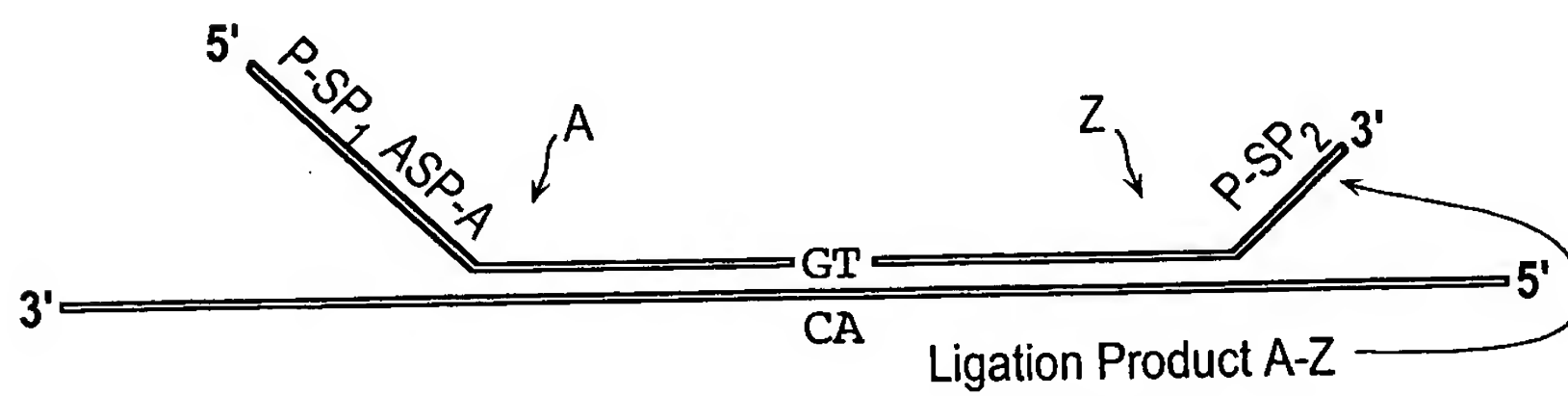


Fig. 17C

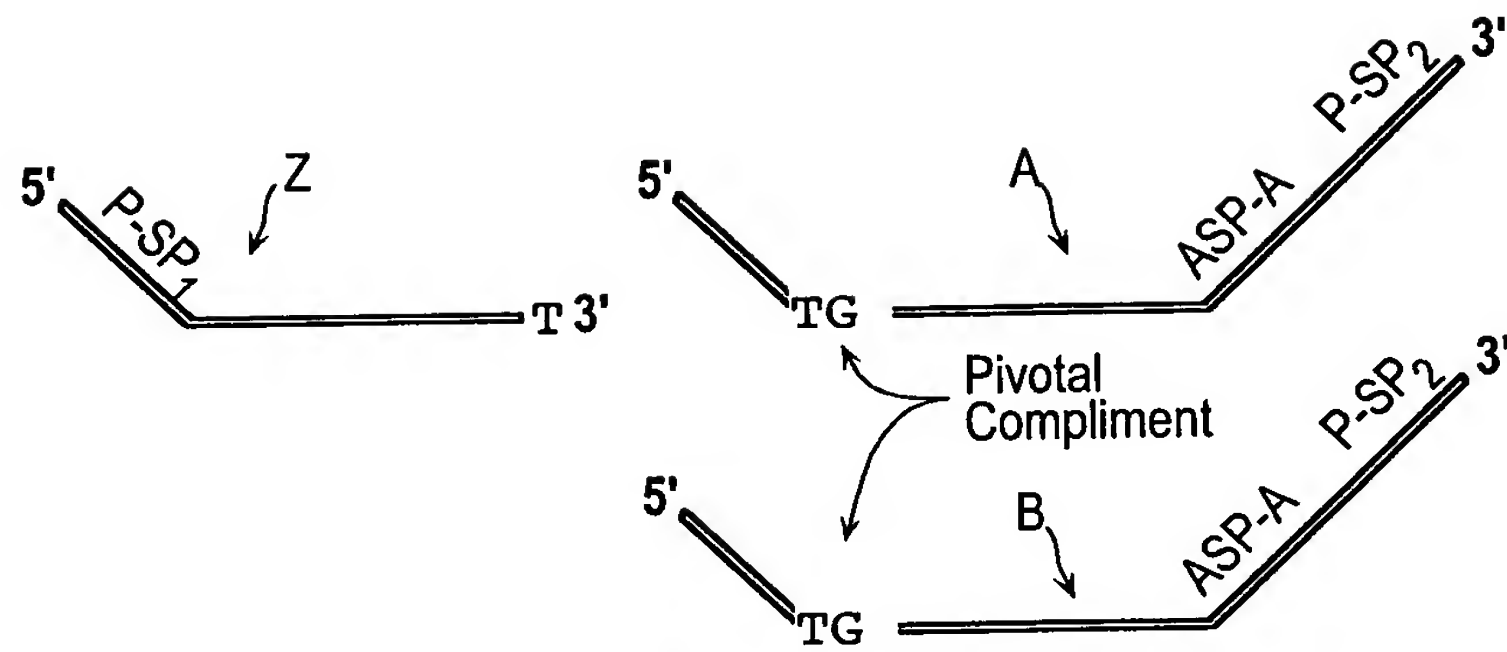


Fig. 18A

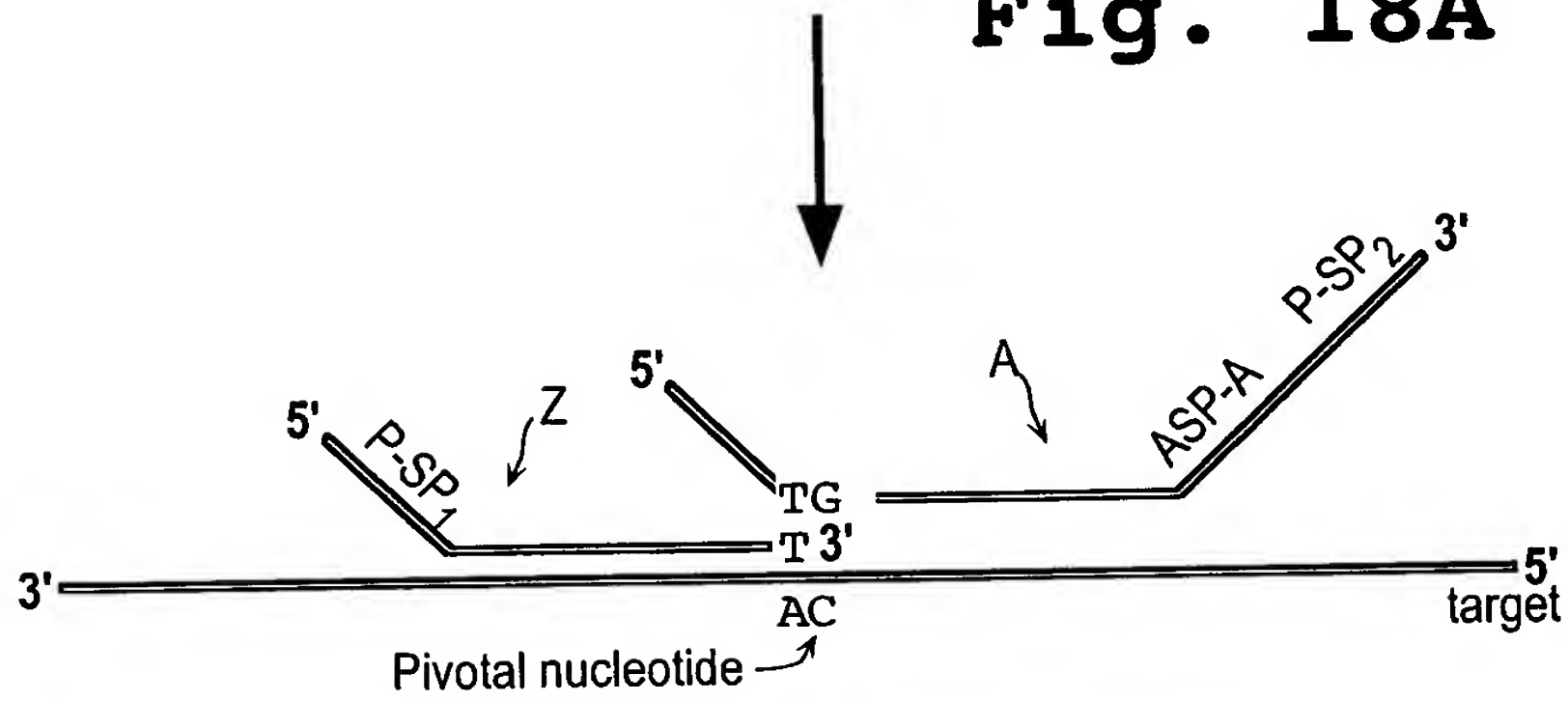


Fig. 18B

Target with "C" at pivotal nucleotide allows FEN cleavage and ligation of Probes Z and A

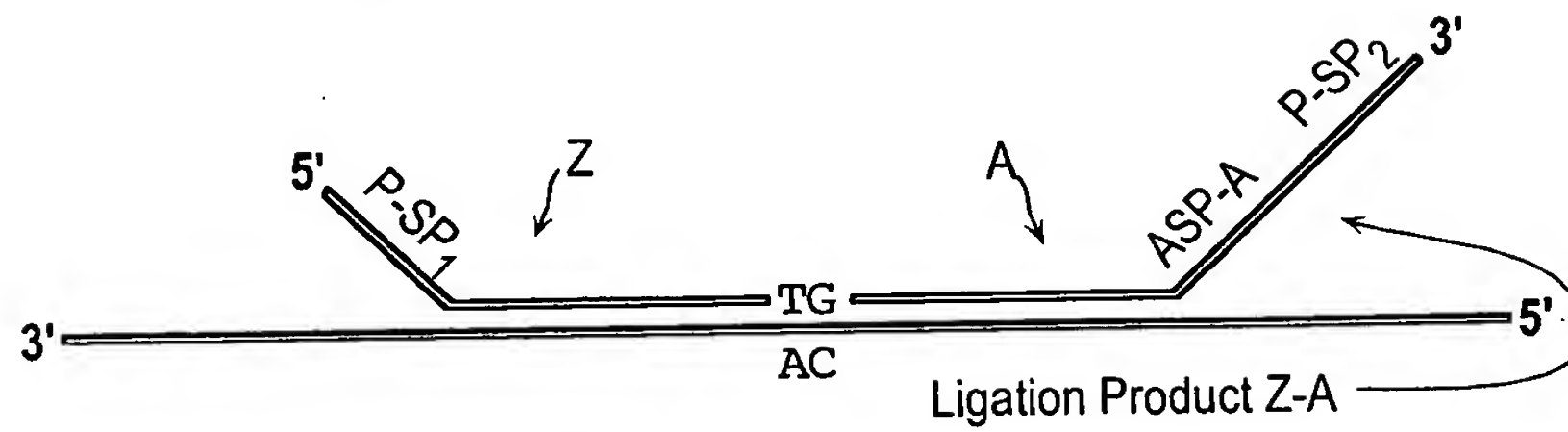
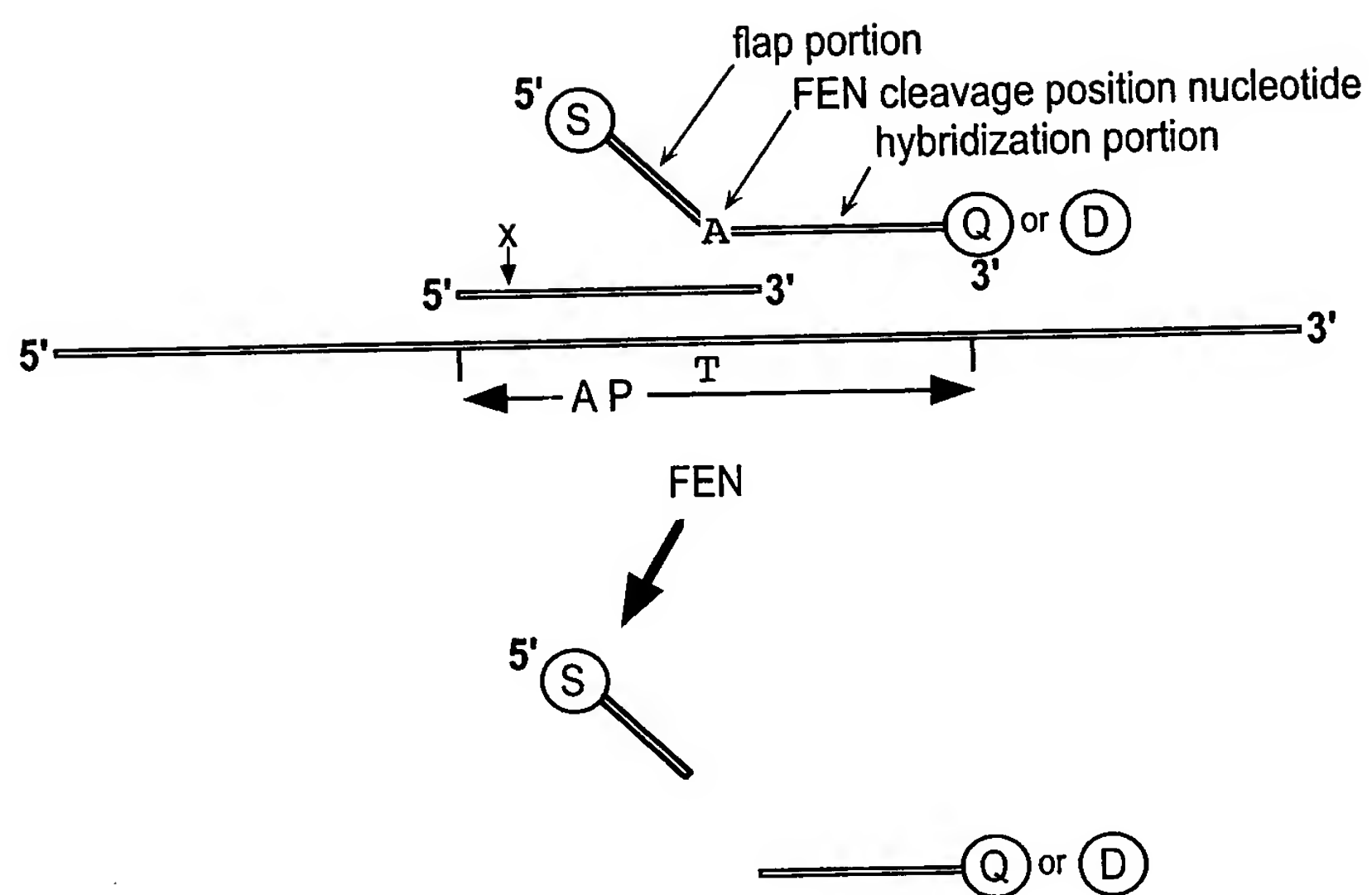


Fig. 18C

**Fig. 19**